MEDICARE HOSPITAL MORTALITY INFORMATION

1987 • 1988 • 1989

Volume 1

Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

Region I

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U.S. Department of Health and Human Services
Health Care Financing Administration

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1987 • 1988 • 1989

Volume 1

CONNECTICUT
MAINE
MASSACHUSETTS
NEW HAMPSHIRE
RHODE ISLAND
VERMONT

Region I

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The Health Care Financing Administration (HCFA) was established in March 1977 to combine health financing and quality assurance programs into a single agency. HCFA is responsible for the Medicare program, Federal participation in the Medicaid program, the Peer Review Organization program, and a variety of other health care quality assurance programs.

The mission of the Health Care Financing Administration is to ensure the effective administration of our programs in order to promote the timely delivery of appropriate, quality health care to over 59 million of the nation's aged, disabled and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible and of high quality, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

FOREWORD

The nation's Medicare program, which is administered through the Health Care Financing Administration (HCFA) in the Department of Health and Human Services, has more than 33 million beneficiaries. One of HCFA's primary responsibilities is to ensure that Medicare beneficiaries receive quality health care. This fourth annual release of Medicare hospital mortality information is a key element in our efforts to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries.

This publication presents information to answer the question "What is the actual mortality rate within a certain period of time for each hospital compared to what rate would have been predicted, given what we know about the characteristics of the patients admitted?" We expect this information to be used by hospital administrators, physicians, peer review organizations, Medicare beneficiaries, State survey and certification agencies and researchers. The information in this release is not intended as a direct measure of quality of care. It is best used as a "screening tool"--that is, to identify potential problems for further review and, in consultation with medical staff, to evaluate a hospital's strengths and weaknesses. Thus, we believe that consumers can use this information to ask questions of their physicians, rather than reach judgments about the quality of care in a particular hospital.

The basic approach to analyzing hospital mortality information has remained unchanged for the past four years; however, since the last publication of mortality information in December 1989, we have made some significant changes both in our methodology and in the way we display the results of our analysis. This publication presents information for 30, 90, and 180 days post admission, as opposed to the single point of 30 days post admission used in all the previous publications. Also, we present values for an observed mortality rate, a predicted mortality rate and a standard deviation.

These refinements should make this information an even more valuable educational tool to help improve the quality of care in hospitals. The changes were reviewed and approved by a panel of outside experts. The methodology used in arriving at the observed mortality rate, the predicted mortality rate and the standard deviation are briefly described in the Technical Appendix at the end of this volume and in more detail in a Technical Information Supplement .

We acknowledge the assistance we have received from the American Hospital Association--not only for providing the information detailing selected hospital characteristics but also for alerting its members to the importance of this information. We are also grateful to the personnel in each hospital who took the time to thoroughly review the data and to provide us with comments and suggestions. As before, we have published the comments we received from individual hospitals, associating them with the summary data for the appropriate institution. Over the years, these communications have proved very helpful in improving and refining the information included in this publication.

Gail R. Wilensky, Ph.D.
Administrator

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TECHNICAL APPENDIX A-1

INTRODUCTION

The mortality rates at a given hospital may reflect, among other factors, the age, sex, diagnoses, and severity of illness of patients admitted to that hospital, as well as the quality of care they received. Factors affecting health and the probability of death vary among the patient populations served by individual hospitals. Consequently, the mortality rates in different patient populations vary considerably.

Before reading the tables containing the hospital-specific information and the comments provided by individual hospitals, the reader will find it useful to understand the format and presentation of the information. This year's publication presents information for Federal fiscal years (FYs) 1987, 1988 and 1989. (A Federal fiscal year is October 1 through September 30; e.g., FY 1989 covers the period October 1, 1988 through September 30, 1989.) The information for 1987 and 1988 will be different from that published previously both because it is based on a fiscal, not calendar, year, and because the methodology for this year's analysis uses a random hospital stay rather than the last stay in the year as did previous analyses.

Description of Mortality Information

These latest analyses of the mortality rates associated with Medicare hospitalizations are similar to those carried out in the three prior years. Only one hospitalization for every patient was used. However, in this year's analysis, when a patient had multiple hospitalizations during the fiscal year, one stay to be analyzed was selected at random. We believe that the use of the randomly selected admission provides a better representation of a typical hospital admission and permits us to calculate mortality rates more nearly like those the hospital itself would calculate for its patients. The event evaluated was death at any time within 180 days of admission to the hospital. With this approach, information about the early and later results of the hospitalization are provided. This is important because diseases evolve with different time courses, and treatments may have different short- and long-term impacts. The choice of 180 days allows substantial followup consistent with timely reporting of HCFA data. Additionally, the decision to report the longer followup data necessitated the change from calendar to fiscal year analysis, since it provides at least 182 days followup while allowing us to report on quite recent hospitalizations. Another benefit of using a fiscal rather than a calendar year for analysis is that our files are maintained on a fiscal year basis and new Medicare rules are often instituted on a fiscal year basis.

For each hospital, information is presented for overall Medicare patient mortality and for each of 17 specific diagnostic or medical procedure categories. The information consists of the number of Medicare patients; the observed or actual mortality rate (OBS); the predicted mortality rate (PRED), given the mix of patients; and a standard deviation (SD), a measure of the uncertainty of the predicted rate. A rule of thumb for using the SD to assess a hospital's performance appears later in this Introduction, and a more precise formula for the use of the SD is included in the Technical Appendix.

As we did in previous years' publications, we are including selected information about each hospital, such as the number of beds and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA) 1989 Annual Survey of Hospitals files or, when such information was not available from the AHA file, the Health Care Financing Administration's (HCFA) Online Survey Certification and Reporting System (OSCAR) file. These hospital characteristics are found at the bottom of each hospital's first summary data page. A more detailed description of the hospital characteristics appears later in this Introduction. It is important to note that these characteristics are provided for information only. They were not part of the analyses, and any errors or discrepancies in them do not affect the predicted mortality rates. In the publication, we have arranged the States by HCFA regions. A hospital's summary data pages and any comments received are arranged alphabetically by hospital name in each State section. A complete listing of States by region and volume can be found in Table 1.

Before reviewing a hospital summary table, it would be helpful to describe how the numbers were derived and what they mean.

Number of Cases. This figure is the number of individual Medicare beneficiaries whose discharge in a fiscal year from the short-term, acute care hospital listed was selected for analysis. The total number of cases selected for each hospital is presented under the category "All Causes." The eight condition and nine procedure categories are subgroupings drawn from the "All Causes" selection. Although a particular patient may appear in only one of the eight condition categories, that same patient may also appear in one or more of the nine categories defined by a surgical procedure. Similarly, a patient may appear in one or more of the nine surgical procedure categories, even though he or she was not included in any of the eight condition categories. The categories chosen for display represent HCFA's interpretation of the categories judged to be important by various outside advisors including the Institute of Medicine. The listed condition and procedure categories cover less than half of all the hospitalized patients. (ICD-9-CM codes included in each condition and procedure category appear in Table 2.). These conditions and procedures represent the causes for the hospital admission and/or surgical episodes during that stay; **they do not necessarily represent the cause of death.** HCFA does not have access to cause of death information.

Observed Mortality Rate (OBS). This number is the percentage of each acute care hospital's selected Medicare patients who died within 30, 90 or 180 days of the selected admission to the hospital. The percentage is rounded to the nearest one-tenth of a percent. Both in-hospital deaths and deaths occurring after discharge but within 30, 90 or 180 days of admission are included. For example, if a hospital had 1,000 patients included in the "All Causes" category and 124 of these patients died within 30 days of the selected admission, the 30-day observed mortality rate would be 12.4 percent; if an additional 17 patients died more than 30 but less than 91 days after admission, the 90-day observed mortality rate would be 14.1 percent; and if an additional 13 patients died more than 90 but less than 181 days after admission, the 180-day observed mortality rate would be 15.4 percent. It is important to note than the observed mortality rate is cumulative; e.g., the 90-day observed mortality rate includes all deaths which occur within 30 days of admission, as well as those occurring more than 30 and less than 91 days after admission. The observed mortality rate represents the percentage of beneficiaries in a particular category who died during the selected time interval. As noted above, it does **not** represent the percentage whose death was caused by the particular condition or procedure.

Predicted Mortality Rate (PRED). This column gives a predicted mortality rate for patients included in the analysis for each hospital. The rate is derived in part by determining, based on national experience, the contribution to the probability of dying associated with various patient characteristics: principal diagnosis (grouped into 17 analytical risk categories), age, sex, previous hospital admissions within the prior six months, admission source (e.g., physician reference, skilled nursing facility reference), admission type (e.g., elective or emergency), and the presence of up to four comorbid conditions--cancer, chronic cardiovascular disease, chronic renal disease, and chronic liver disease. For additional details on the development of the rates, see the Technical Appendix at the end of this volume. For a list of the ICD-9-CM codes defining the comorbid conditions see Table 3. Two additional adjustments for patient risks were carried out. First, account was taken of the effect of the specific reason for admission--the principal diagnosis within each analytic category--on the probability of patient death. Second, the additional information carried by the grouping of patients into clinically informative categories was also used. This last adjustment proved particularly important in the case of the surgical categories, because the performance of a surgical procedure has substantial implications about the severity of illness.

Standard Deviation (SD). The standard deviation is a guide to how meaningful the difference between the observed and predicted mortality rate is. In general, the greater the difference between the two rates, the greater the probability that the difference represents an actual variation from what would be expected in view of the national experience.

As a rule of thumb, if the difference is 1.2 times the SD, chances are 3 out of 4 that the difference is due to statistical variability observed nationally. If the difference is greater than 1.6 times the SD, there is only 1 chance in 10 that the difference is due to statistical variability; if the difference is more than 2.0 times the SD, there is only 1 chance in 20 that the difference is due to statistical variablity; and if the difference is more than 2.6 times the SD, there is only 1 chance in 100 that the difference can be attributed to statistical variablity rather than actual variation from what would be expected. The less chance that the difference between the PRED and the OBS can be attributed to statistical variability, the more grounds for concern may exist about the institution's performance. Further information on how to use the SD to construct prediction intervals for use in assessing the real difference between the OBS and the PRED are included in the Technical Appendix at the end of this volume. The precision and interpretability of the estimates are weaker when there are no deaths or 50 or fewer cases in a particular category being analyzed. Thus, for these instances, an asterisk (*) is placed in the SD column.

Information Sources and Notes

This publication is based primarily on Medicare hospital billing information for fiscal years 1987, 1988 and 1989. While the principal source of the data for the analysis was the HCFA-maintained Medicare Provider Analysis and Review (MEDPAR) file which contains information about each Medicare hospitalization, some of the information about beneficiaries, such as date of death, was obtained from the Social Security Administration. Hospitals submit bills to HCFA's fiscal intermediaries (which handle claims for the care provided to Medicare beneficiaries) which, in turn, submit this information to HCFA. The file is updated on a quarterly basis. Our analysis was based on information available following the June 1990 update of the MEDPAR file. It is estimated that by that time (nine months after the close of the fiscal year) 98 percent of all Medicare discharges in FY 1989 are included in the file.

In any large-scale data base, such as the one dealing with Medicare hospitalizations, there will be gaps or inaccuracies. The fact that the files contain information on about 10 million hospital admissions to nearly 6,000 hospitals for each year provides some assurance that, for purposes of the statistical analysis conducted here, the information which might be missing or inaccurate is such a small portion of the total that it would have almost no impact on the results for national estimates. It may, however, substantially affect an individual hospital if it was the source of the suspect information.

Nevertheless, while we feel that the information used in this analysis is quite thorough and complete, there are a few points which should be kept in mind as the hospital-specific information is reviewed.

> The information used is billing data and is only as good as the information submitted by hospitals as part of the payment process. Although there is always a possibility that coding errors are included, we assume that, given the link to payment, hospitals have an incentive to submit bills accurately and promptly. We do know, however, that some hospitals submitted incomplete or erroneous data.
>
> The hospitals included in this analysis are participating in Medicare as short-term, acute care facilities; all have a zero in the third position of their Medicare provider number. All other hospitals--those with something other than a zero in the third position of their provider number, such as rehabilitation facilities or psychiatric institutions--were automatically excluded from the analysis. This year, as last, we also excluded hospices from the publication.
>
> In some cases, we have included data for hospitals which closed, changed ownership, or changed management either during or subsequent to FY 1989. Nevertheless, data which are included for those institutions reflect the situation as it existed at the time the hospitalizations analyzed occurred.
>
> There is some information in the MEDPAR file which does not reflect immediately the results of review by the Peer Review Organizations (PROs). For example, one of the functions a PRO performs is to ensure that the diagnosis assigned to a particular case is accurate. The nature of the review and payment system is such that, in some instances, PRO changes in diagnosis assignment may not be

submitted and associated in the MEDPAR file on as timely a basis as other billing information. Obviously, this type of change could have an effect on the calculation of mortality rates in individual categories and may also have a bearing on comorbidities.

The usefulness of this information depends upon the accuracy with which mortality rates can be predicted. It is important to understand that the difference between the hospitals' mortality rates and the predicted rates in the tables in this publication may not be a direct measure of the quality of care rendered in the hospitals. One reason for this is that we do not now have any direct measurement tool with which we can adjust fully for differences among hospitals in how severely ill their patients are. For instance, two hospitals may have very different death rates for patients admitted for stroke, even after we have adjusted for age, sex and several other factors. This might happen because one hospital's stroke patients consist of a significant number who are admitted in a coma (and are thus more likely to die), whereas another hospital's patient population represents a broader spectrum of patients with cerebrovascular problems, or because these hospitals in fact do provide different levels of quality of care. In addition, other factors affecting the probability of death in a particular case (e.g., family status/support, overall health status of the patient, etc.) are not included in the predictive model because information on them is not readily available.

Nevertheless, we believe that this information is an important contribution to the health care community and should be helpful to a wide range of individuals and organizations including hospital administrators, physicians, and researchers. Among these audiences, we expect that the hospital administrator (in consultation with medical staff) will find the information most useful as a screening tool to evaluate a hospital's strengths and weaknesses. For example, we know that some hospitals and their medical staffs, using established and newly emerging quality assessment techniques, are trying to determine what useful information can be derived about their hospitals and how they function. In this way, the information should lead to analysis and subsequent actions which will capitalize on areas of strong performance and strengthen areas where improvement is needed.

We believe that when this information is properly understood and applied, it can be very useful; it can also be misleading if it is interpreted incorrectly. The information simply describes one of several possible outcomes at a hospital--post-admission mortality for Medicare beneficiaries. The information is not necessarily representative of a hospital's total performance in all aspects of patient care and is best used to view experience in individual hospitals rather than for making comparisons among hospitals. Individual hospitals may have very good reasons for their rates being higher than the rates predicted by the HCFA model. For example, one hospital might have different death rates than another because of its patient mix. Accordingly, it was important for hospitals to have an opportunity to review their specific information and to provide comments to HCFA and the public. We offered each hospital the opportunity to comment on the information contained in this volume, and we included in this publication those comments which were received by January 15, 1991. Consumers should read the explanations of the uses and limitations of the information, as well as any comments a hospital may have provided.

The development and presentation of this information continues to be an important part of HCFA's responsibilities in the health care community. Consequently, in making the information as accurate and useful as possible, over the past several years we have discussed the theoretical framework and statistical approach with a number of nationally recognized technical experts in appropriate fields. More specifically, in June 1990 we presented the major changes--use of fiscal year data, use of random rather than last admission for analysis, use of the standard deviation rather than ranges, presentation of mortality rates at three time intervals--to these experts. Based on their recommendations, we believe that the models used in these analyses continue to be reasonable and appropriate.

In the past, we have conducted validation studies of our methodology. In general, these studies have found correlation between poor quality care and hospitals whose observed mortality rate significantly exceeds the rate that would have been predicted. However, we have also found that detailed clinical data which more thoroughly characterize the severity of patient's illness, while they do not materially affect results describing the general pattern of mortality, do, in specific instances, alter our assessment of the comparison of the observed to the predicted mortality rates.

The format for presentation, the process for sharing the information with individual hospitals, and the statistical methodology have been discussed at various meetings with leaders of organizations representing Medicare beneficiaries, physicians and hospitals. Also, we have spent many months reviewing the comments received from the hospitals regarding their patient-specific data for earlier years and our previous mortality information publications. Many suggestions from these sources have been incorporated into this publication.

We have carefully investigated comments from individual hospitals on apparent discrepancies or errors generated in previous years. These discrepancies very rarely impacted on a hospital's overall mortality rate. Most of these instances fell into the following three broad categories.

Inaccurate Date of Death. We found that inpatient billing coding errors (e.g., a hospital bill indicating that the patient's status at time of discharge was "expired" when the patient had, in fact, left the hospital alive) created many of these errors. We have mechanisms in place that allow a continuous update of HCFA's master file, thereby enabling us to make corrections.

Data Posting Delays. In some instances, delays in posting data to the MEDPAR file created difficulties in prior years' analyses. However, because of the use of a fiscal, rather than calendar, year and of a random, rather than last, admission for analysis, this problem has largely been eliminated.

Discrepant Case Counts. Our analysis counts only one acute care discharge in a fiscal year; normally, hospitals count each discharge. Thus, a patient admitted three times in a year would count three times for the hospital, but only once for the purpose of analyzing Medicare hospital mortality data presented in this publication.

On December 6, 1990, we mailed mortality information to each hospital on its Medicare patients and asked for comments by January 15, 1991. Each hospital received the summary data information (as published here), as well as a list of all Medicare patients whose stay in that hospital in FY 1989 was selected for the analysis. The comments we received are generally reproduced as submitted by the hospital. However, in instances where hospitals returned an annotated copy of the HCFA information sent on December 6, we did not publish that annotated material, even in cases where these were the only comments submitted by the hospital. We took this action because of patient privacy concerns and/or because it would have duplicated information already provided on the hospital's summary data sheet. However, we have published a standard statement to identify instances where we received this type of response. Additionally, in cases where the hospital's response exceeded the two-page limit, which was specified in our communication of December 6, we have published only the first two pages of the material received. No attempt has been made to edit or condense the response provided by the hospital.

In any project of this size, there will be instances where hospitals did not receive the information for comment or did not receive it timely. In fact, many hospitals were sent second copies of their specific information in an expeditious manner in order to allow every opportunity for review and comment. Even though it is possible that some of the nonresponding facilities never got the information or did not have adequate time to comment, we expect that these instances are few in number.

As noted previously, we have again included information on selected hospital characteristics such as the number of beds, occupancy rate, ownership, staffing, and specialty services. These particular characteristics and services were selected as those of most interest to Medicare beneficiaries. (Thus, for example, we do not include information on specialty services such as Neonatal Intensive Care Units.) This information was obtained from the AHA 1989 Annual Survey of Hospitals. Where hospitals did not provide information to AHA on a particular item, it has been listed as not available. This file consists of information voluntarily reported by hospitals to the AHA. In instances where the AHA records contained no information about a hospital included in the analysis, we have presented the most recent information from HCFA's OSCAR file.

Following are the AHA's definitions of each characteristic found on the hospital's summary page containing the FY 1989 summary data information.

SURVEY AND YEAR: AHA 1989 Source = American Hospital Association 1989 Annual Survey of Hospital Files

Total beds (#): Number of beds (including sub-acute beds), cribs, and pediatric and neonatal bassinets regularly maintained (set up, staffed, and ready for use) for inpatients as of the close of the reporting period; does not include bassinets for normal newborn infants.

Occupancy rate (percent): Ratio of average daily census to the average number of beds (statistical beds) maintained during the 12-month reporting period. (NOTE: The number of these "statistical beds" may differ from the bed count at the close of the reporting period.)

Ownership/control: State government, local government, district/authority, church, private nonprofit, private for profit, or Federal Government.

STAFFING (as of 09/30/88):

Total number of physicians: Total active and associate medical staff.

Percent of physicians who are board-certified specialists: Physicians who have passed an examination given by a medical specialty board and have been certified by that board as a specialist.

Medical residents/interns: Full-time equivalent (FTE) medical residents or interns.

Registered nurses: Full-time equivalent (FTE) registered nurses.

Licensed practical nurses: Full-time equivalent (FTE) licensed practical nurses.

AHA DEFINED SPECIALTY SERVICES:

Burn unit: Provides more intensive care to severely burned patients than the usual acute nursing care provided in medical and surgical units. Beds must be set up and staffed in a unit specifically designated for this service.

Cardiac intensive care: Provides patient care of a more specialized nature than the usual medical and surgical care, on the basis of physicians' orders and approved nursing care plans. The unit is staffed with specially trained nursing personnel and contains monitoring and specialized support or treatment equipment for patients who, because of heart seizure, open-heart surgery or other life-threatening conditions, require intensified, comprehensive observation and care. May include myocardial infarction, pulmonary care, and heart transplant units. Beds must be set up and staffed in a unit(s) specifically designated for this service.

Comprehensive Geriatric Assessment: Provides diagnostic and evaluation services that determine elderly patients' long-term care needs. Includes the assessment of medical conditions, functional activities and mental and emotional conditions, and incorporates these into a treatment plan which includes family and financial concerns as well as medical needs.

Hospice care: A program providing palliative care, chiefly medical relief of pain and supportive services, to terminally ill patients and assistance to their families in adjusting to the patients' illness and death.

Medical/surgical intensive care: Provides nursing care to adult and/or pediatric patients of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Included are medical-surgical, pediatric, and psychiatric (isolation) units. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment for patients who, because of shock, trauma, or life-threatening conditions, require intensified, comprehensive observation and care. These units may also include cardiac care when such services are not provided in a distinct cardiac care unit.

Organ transplant service equipment: The necessary staff and equipment to perform the surgical removal of a viable human organ (including kidney) from a donor, either alive or just deceased, and the surgical grafting of the organ to a suitably evaluated and prepared patient.

Other intensive care: Provides nursing care to adult and/or pediatric patients with a specialized disease or condition of a more intensive nature than the usual medical, surgical, pediatric and/or psychiatric care on the basis of physicians' orders and approved nursing plans. Examples reported include oncology or spinal cord injuries. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment appropriate for the patients' specialized conditions.

Rehabilitation unit: Unit having designated beds and providing a comprehensive array of multidisciplinary medical rehabilitation services.

Trauma center: Provides emergency and specialized intensive care to critically injured patients.

NOTE: Inquiries regarding the AHA data or requests for additional AHA data must be directed to the Director of the American Hospital Association's Hospital Data Center at (312) 280-6000.

Following are HCFA's Online Survey Certification and Reporting System (OSCAR) definitions of some characteristics found on the hospital's summary page containing the 1986, 1987, and 1988 mortality rates and ranges.

SURVEY AND YEAR: OSCAR 19___

Total beds (#): Total number of operational beds eligible for Medicare payment.

Ownership/control: Church; private; Federal, State, local government, or hospital district or authority; proprietary.

STAFFING:

Medical residents/interns: Full-time equivalent (FTE) medical residents or interns.

Registered nurses: Full-time equivalent (FTE) registered nurses.

Licensed practical nurses: Full-time equivalent (FTE) licensed practical nurses.

OSCAR DEFINED SPECIALTY SERVICES:

There are no specific definitions of specialty services in OSCAR. These characteristics are self-reported by each hospital at initial certification and recertification. However, they are generally understood to parallel the explicit AHA definitions.

Table 1

STATES BY REGION AND VOLUME

REGION		VOLUME	STATE
I	Boston	1	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont
II	New York	2	New Jersey, Puerto Rico, Virgin Islands
		3	New York
III	Philadelphia	4	Delaware, District of Columbia, Maryland, Virginia, West Virginia
		5	Pennsylvania
IV	Atlanta	6	Alabama, Georgia
		7	Florida
		8	Kentucky, Mississippi, South Carolina
		9	North Carolina, Tennessee
V	Chicago	10	Illinois
		11	Indiana, Michigan
		12	Minnesota, Wisconsin
		13	Ohio

VI	Dallas	14	Arkansas, Oklahoma
		15	Louisiana, New Mexico
		16	Texas (A - L)
		17	Texas (M - Z)
VII	Kansas City	18	Iowa, Kansas
		19	Missouri, Nebraska
VIII	Denver	20	Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming
IX	San Francisco	21	American Samoa/Guam, Arizona, Hawaii, Nevada
		22	California (A - L)
		23	California (M - Z)
X	Seattle	24	Alaska, Idaho, Oregon, Washington

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Table 2

DIAGNOSTIC AND PROCEDURE CATEGORIES

The following lists the ICD-9-CM diagnostic and procedure codes used to classify and group patients for presentation:

CONDITION/PROCEDURE	ICD-9-CM CODES (D) = DIAGNOSTIC CODE (P) = PROCEDURE CODE
Heart Disorders/Procedures:	
Acute Myocardial Infarction	410 (D) (exclude 410 with 5th digit of 2 after 10/1/89)
Congestive Heart Failure	398.91, 402.01, 402.11, 402.91, 428.0, 428.1, 428.9 (all D)
Angioplasty	36.0 excluding 36.00, 36.03, 36.04, 36.09 (all P)
Coronary Artery Bypass Graft	36.1 (P)
Pacemaker Insertion, Initial	37.73, 37.74, 37.75, 37.77 (after 10/1/87 use 37.70—37.73) (all P)
Pulmonary Disorders:	
Pneumonia/Influenza	480-481, 482.2, 482.3, 482.9, 483, 485, 486, 487.0 (all D)
Chronic Obstructive Pulmonary Disease	491-492; 494; 496; and 466.0, 518.5, 518.82, and 786.09 when there is a secondary diagnosis of any 496 (all D)
Cerebrovascular Disorders/Procedures:	
Transient Cerebral Ischemia	433.1, 433.3, 435 (D) and exclude those patients with an endarterectomy, 38.12 (P) at the time of admission
Stroke	431, 434-434.9, 436 (all D)
Carotid Endarterectomy	38.12 (P) with 433.1 (D), 433.3 (D), or 435 (D) as principal diagnosis

Musculoskeletal Disorders/Procedures:

Fracture of Neck of Femur	820 (D)
Hip Replacement/Revision	81.5, 81.6 (exclude 81.69) (81.51—81.53 after 10/1/89) (all P)
Open Reduction of Fractured Femur	79.35 (P) on condition of 820 (D) as principal diagnosis

Genitourinary Procedures:

Prostatectomy	60.2, 60.3-60.69 (all P)
Hysterectomy	68.3-68.7 (P)

Gastrointestinal Procedures:

Cholecystectomy	51.22 (P)

Sepsis:

Sepsis	003.1, 020.2, 022.3, 036.2, 036.3, 036.89, 036.9, 038, 054.5 (all D)

Table 3

COMORBIDITY CONDITIONS

(all are D codes)

COMORBIDITY	ICD-9-CM CODES
Cancer	141-160.9, 162-172.9, 174-208.9
Chronic liver disease	571-572.8
Chronic renal disease	582-583.9, 585-587
Chronic cardiovascular disease	412-414.9, 426-429.1

Connecticut

BRADLEY MEMORIAL HOSPITAL

Meriden Ave
Southington, CT 06489

Medicare Provider Number: 070009

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	835	6.7	9.1	1.5	11.5	14.0	1.8	14.4	17.8	2.1
CONDITIONS:										
Acute Myocardial Infarction	21	14.3	32.4	*	14.3	35.6	*	23.8	38.8	*
Congestive Heart Failure	61	13.1	15.0	4.8	18.0	23.9	6.2	19.7	31.0	7.9
Pneumonia/Influenza	62	8.1	16.7	7.2	12.9	23.1	8.4	16.1	28.0	8.8
Chronic Obstructive Pulmonary Disease	7	0.0	10.9	*	14.3	17.6	*	28.6	23.4	*
Transient Cerebral Ischemia	25	0.0	1.9	*	4.0	4.2	*	4.0	6.5	*
Stroke	25	8.0	19.1	*	20.0	25.8	*	28.0	30.2	*
Hip Fracture	18	0.0	5.6	*	0.0	9.9	*	0.0	13.0	*
Sepsis	9	11.1	23.7	*	33.3	33.3	*	33.3	39.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	8.2	*	33.3	14.9	*	33.3	19.9	*
Carotid Endarterectomy	1	0.0	1.0	*	0.0	1.8	*	0.0	2.4	*
Hip Replacement/Reconstruction	9	0.0	1.3	*	0.0	2.5	*	0.0	3.6	*
Open Reduction of Hip Fracture	9	0.0	5.1	*	0.0	9.6	*	0.0	12.7	*
Prostatectomy	31	0.0	0.9	*	3.2	2.0	*	3.2	3.4	*
Cholecystectomy	26	3.8	3.5	*	3.8	6.1	*	7.7	7.7	*
Hysterectomy	3	0.0	0.5	*	0.0	1.0	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	66
Occupancy Rate	71
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	74
Percent of Physicians Board Certified Specialists	96
Medical Residents/Interns	0
Registered Nurses	39
Licensed Practical Nurses	25

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BRADLEY MEMORIAL HOSPITAL

Medicare Provider Number: 070009

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	887	8.8	9.4	1.6	13.9	14.4	1.7	18.2	18.3	1.8
CONDITIONS:										
Acute Myocardial Infarction	20	35.0	32.0	*	55.0	35.9	*	65.0	39.6	*
Congestive Heart Failure	68	14.7	16.3	6.7	20.6	24.4	7.3	29.4	31.0	6.3
Pneumonia/Influenza	38	13.2	16.9	*	18.4	23.2	*	23.7	27.9	*
Chronic Obstructive Pulmonary Disease	8	25.0	9.5	*	25.0	15.5	*	37.5	20.9	*
Transient Cerebral Ischemia	15	0.0	1.7	*	0.0	3.7	*	0.0	5.8	*
Stroke	27	14.8	22.1	*	25.9	28.3	*	25.9	32.6	*
Hip Fracture	20	5.0	7.0	*	10.0	12.6	*	20.0	16.0	*
Sepsis	10	10.0	22.3	*	20.0	29.4	*	30.0	34.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	5.0	*	0.0	9.6	*	14.3	13.9	*
Carotid Endarterectomy	2	0.0	1.0	*	0.0	1.9	*	0.0	2.6	*
Hip Replacement/Reconstruction	12	0.0	3.3	*	0.0	6.4	*	0.0	8.3	*
Open Reduction of Hip Fracture	13	7.7	5.0	*	7.7	9.6	*	7.7	12.6	*
Prostatectomy	28	0.0	1.2	*	7.1	2.9	*	10.7	4.8	*
Cholecystectomy	22	4.5	3.4	*	9.1	5.7	*	9.1	6.9	*
Hysterectomy	3	0.0	2.4	*	0.0	4.6	*	0.0	6.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	799	7.5	9.5	1.4	11.6	14.4	1.8	15.0	18.3	2.0
CONDITIONS:										
Acute Myocardial Infarction	20	10.0	30.3	*	15.0	33.3	*	15.0	37.0	*
Congestive Heart Failure	48	16.7	16.0	*	20.8	24.3	*	27.1	31.5	*
Pneumonia/Influenza	40	10.0	17.9	*	22.5	24.3	*	27.5	29.4	*
Chronic Obstructive Pulmonary Disease	12	16.7	8.8	*	16.7	16.0	*	25.0	21.9	*
Transient Cerebral Ischemia	22	0.0	1.6	*	0.0	3.5	*	0.0	5.6	*
Stroke	35	17.1	19.7	*	20.0	26.2	*	22.9	31.0	*
Hip Fracture	14	7.1	6.5	*	14.3	11.7	*	21.4	15.4	*
Sepsis	14	21.4	28.5	*	28.6	36.5	*	42.9	42.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	7.3	*	0.0	14.1	*	25.0	19.3	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.3	*	0.0	3.2	*
Hip Replacement/Reconstruction	7	0.0	2.3	*	0.0	4.9	*	0.0	7.1	*
Open Reduction of Hip Fracture	9	11.1	6.2	*	22.2	11.5	*	33.3	15.2	*
Prostatectomy	27	0.0	0.9	*	3.7	2.3	*	3.7	3.8	*
Cholecystectomy	12	8.3	5.7	*	8.3	11.6	*	16.7	15.8	*
Hysterectomy	7	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BRIDGEPORT HOSPITAL

267 Grant Street
Bridgeport, CT 06602

Medicare Provider Number: 070010

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,020	8.6	9.6	0.6	13.7	14.4	0.6	18.2	18.2	0.6
CONDITIONS:										
Acute Myocardial Infarction	142	23.2	26.6	4.8	27.5	30.0	4.4	31.7	33.6	4.3
Congestive Heart Failure	259	12.0	15.3	3.2	23.6	23.3	2.6	30.9	30.0	3.1
Pneumonia/Influenza	151	13.9	16.3	4.5	21.2	22.1	4.0	27.8	26.8	3.8
Chronic Obstructive Pulmonary Disease	29	10.3	5.0	*	10.3	9.4	*	10.3	13.4	*
Transient Cerebral Ischemia	38	0.0	1.9	*	0.0	4.1	*	5.3	6.4	*
Stroke	182	18.1	20.2	6.3	23.1	26.6	5.8	28.6	31.1	5.2
Hip Fracture	94	5.3	6.9	3.2	11.7	12.5	3.6	19.1	16.2	4.2
Sepsis	65	15.4	23.0	7.3	23.1	29.0	7.7	26.2	34.5	10.1
PROCEDURES:										
Angioplasty	71	0.0	2.9	3.3	1.4	4.0	3.0	1.4	5.2	3.8
Coronary Artery Bypass Graft	84	6.0	5.8	3.9	6.0	8.7	4.7	6.0	10.7	5.5
Initial Pacemaker Insertion	38	2.6	3.2	*	7.9	6.5	*	10.5	9.6	*
Carotid Endarterectomy	7	0.0	1.0	*	0.0	1.7	*	14.3	2.5	*
Hip Replacement/Reconstruction	76	3.9	4.4	2.4	7.9	8.1	3.2	10.5	10.6	3.6
Open Reduction of Hip Fracture	42	2.4	6.9	*	7.1	12.9	*	16.7	16.9	*
Prostatectomy	130	0.8	1.5	1.5	0.8	3.2	2.5	1.5	5.3	3.5
Cholecystectomy	80	5.0	3.1	3.7	7.5	5.4	3.7	10.0	6.9	4.0
Hysterectomy	36	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	495
Occupancy Rate	82
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	263
Percent of Physicians Board Certified Specialists	87
Medical Residents/Interns	84
Registered Nurses	364
Licensed Practical Nurses	58

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

BRIDGEPORT HOSPITAL

Medicare Provider Number: 070010

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,990	9.6	10.3	0.8	15.2	15.5	0.7	18.9	19.5	0.8
CONDITIONS:										
Acute Myocardial Infarction	177	26.0	28.5	3.7	31.6	32.3	3.6	34.5	36.0	3.7
Congestive Heart Failure	240	13.3	15.9	4.5	20.0	23.9	5.2	28.3	30.7	4.4
Pneumonia/Influenza	165	20.6	17.0	5.7	26.1	23.2	4.9	29.7	27.9	4.6
Chronic Obstructive Pulmonary Disease	63	4.8	8.3	5.7	9.5	13.9	6.4	17.5	18.7	5.3
Transient Cerebral Ischemia	45	4.4	2.0	*	8.9	4.5	*	8.9	6.9	*
Stroke	175	18.3	22.0	5.2	26.9	28.5	6.1	31.4	33.2	4.3
Hip Fracture	102	3.9	7.0	3.4	15.7	12.7	3.6	20.6	16.2	4.8
Sepsis	63	33.3	26.7	6.9	36.5	34.7	6.5	38.1	40.6	6.4
PROCEDURES:										
Angioplasty	70	1.4	4.2	4.6	1.4	5.3	5.4	2.9	6.4	6.0
Coronary Artery Bypass Graft	88	11.4	6.9	4.6	12.5	9.9	4.0	13.6	11.7	4.1
Initial Pacemaker Insertion	33	6.1	6.9	*	9.1	10.7	*	15.2	14.1	*
Carotid Endarterectomy	12	0.0	1.3	*	8.3	2.5	*	8.3	3.6	*
Hip Replacement/Reconstruction	57	3.5	4.5	3.0	7.0	8.6	4.1	8.8	11.3	4.8
Open Reduction of Hip Fracture	51	2.0	5.6	4.8	17.6	10.5	5.6	23.5	13.7	7.2
Prostatectomy	147	1.4	1.3	1.2	3.4	3.1	1.6	4.1	5.1	2.3
Cholecystectomy	70	5.7	3.8	3.3	7.1	6.8	3.8	8.6	8.8	5.0
Hysterectomy	40	0.0	0.9	*	0.0	1.8	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,755	9.7	9.7	0.6	15.8	14.7	0.9	19.2	18.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	162	27.8	25.5	3.7	34.6	29.1	4.9	37.0	32.8	4.8
Congestive Heart Failure	183	20.2	17.5	3.7	27.9	26.2	4.1	36.6	33.4	5.2
Pneumonia/Influenza	100	17.0	16.7	3.9	25.0	22.6	5.3	28.0	27.4	4.8
Chronic Obstructive Pulmonary Disease	57	14.0	12.5	5.3	28.1	20.3	9.0	31.6	26.2	9.3
Transient Cerebral Ischemia	44	0.0	1.8	*	4.5	3.8	*	4.5	5.9	*
Stroke	178	15.2	20.7	6.2	21.9	27.0	6.8	27.0	31.5	7.4
Hip Fracture	82	13.4	6.7	4.3	22.0	12.3	6.1	23.2	16.0	6.5
Sepsis	37	27.0	28.7	*	37.8	37.5	*	37.8	43.7	*
PROCEDURES:										
Angioplasty	37	2.7	5.0	*	8.1	6.3	*	8.1	7.7	*
Coronary Artery Bypass Graft	80	6.3	6.0	3.5	10.0	8.2	3.7	11.2	9.7	3.9
Initial Pacemaker Insertion	34	2.9	5.1	*	5.9	9.4	*	8.8	12.9	*
Carotid Endarterectomy	8	12.5	1.4	*	25.0	2.9	*	25.0	4.3	*
Hip Replacement/Reconstruction	71	9.9	3.5	4.0	12.7	6.8	4.8	14.1	9.2	5.2
Open Reduction of Hip Fracture	39	7.7	5.6	*	17.9	10.7	*	17.9	14.1	*
Prostatectomy	157	0.6	1.2	1.7	2.5	2.9	2.7	6.4	4.8	2.9
Cholecystectomy	71	4.2	3.4	2.3	7.0	6.3	3.1	7.0	8.5	3.6
Hysterectomy	32	0.0	1.1	*	0.0	2.2	*	3.1	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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BRIDGEPORT HOSPITAL

267 Grant Street
P.O. Box 5000
Bridgeport, CT 06610
Telephone: 203 384-3716

Bruce M. McDonald, M.D.
Senior Vice President for Medical Affairs

December 21, 1990

Gail R. Wilensky, Ph.D.
Administrator
Department of Health and Human Services
Health Care Financing Administration
6325 Security Boulevard
Baltimore, MD 21207

Dear Dr. Wilensky:

I am writing to comment on the HCFA mortality data as circulated to Bridgeport Hospital this past week. My comments pertain to the hospital characteristics as listed under the AHA Annual Survey of Hospitals.

The following correction should be noted:

Under staffing:
Registered Nurses -- 399
Licensed Practical Nurses -- 102
Organ tissue transplant - No
Other Intensive Care - Yes

I hope this information is of value to you.

Sincerely yours,

BmcDonald MD

Bruce McDonald, M.D.

BMcD:ph

BRISTOL HOSPITAL

Brewster Rd
Bristol, CT 06010

Medicare Provider Number: 070029

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,755	8.4	10.4	1.0	12.9	15.7	1.2	16.6	19.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	54	20.4	24.9	7.3	20.4	27.8	8.7	22.2	31.0	10.2
Congestive Heart Failure	98	7.1	15.9	4.5	13.3	24.7	6.2	15.3	32.0	6.7
Pneumonia/Influenza	87	16.1	17.4	4.2	21.8	23.8	6.5	23.0	28.6	7.2
Chronic Obstructive Pulmonary Disease	36	8.3	5.7	*	16.7	11.1	*	25.0	16.0	*
Transient Cerebral Ischemia	26	3.8	2.1	*	3.8	4.5	*	3.8	7.1	*
Stroke	57	21.1	20.1	7.6	31.6	26.6	9.2	38.6	31.0	11.6
Hip Fracture	34	2.9	7.5	*	11.8	13.0	*	17.6	16.5	*
Sepsis	27	33.3	25.2	*	37.0	32.6	*	40.7	38.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	2.2	*	0.0	4.6	*	0.0	7.0	*
Carotid Endarterectomy	2	50.0	1.4	*	50.0	2.6	*	50.0	3.9	*
Hip Replacement/Reconstruction	14	0.0	1.8	*	7.1	3.4	*	7.1	4.5	*
Open Reduction of Hip Fracture	14	0.0	5.3	*	7.1	10.1	*	14.3	13.4	*
Prostatectomy	47	2.1	1.3	*	4.3	3.2	*	6.4	5.2	*
Cholecystectomy	34	2.9	3.3	*	5.9	6.1	*	5.9	7.7	*
Hysterectomy	11	0.0	3.0	*	0.0	5.1	*	0.0	6.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	204
Occupancy Rate	81
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	108
Percent of Physicians Board Certified Specialists	72
Medical Residents/Interns	0
Registered Nurses	150
Licensed Practical Nurses	25

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BRISTOL HOSPITAL

Medicare Provider Number: 070029

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,695	7.1	10.2	1.1	11.7	15.3	1.2	15.7	19.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	50	18.0	26.8	*	22.0	29.7	*	28.0	33.0	*
Congestive Heart Failure	104	8.7	16.9	5.4	17.3	25.6	6.6	23.1	32.6	7.2
Pneumonia/Influenza	53	17.0	17.7	6.6	22.6	24.0	7.2	28.3	28.6	7.8
Chronic Obstructive Pulmonary Disease	27	0.0	10.0	*	7.4	17.1	*	11.1	23.1	*
Transient Cerebral Ischemia	26	7.7	2.4	*	15.4	5.3	*	15.4	8.2	*
Stroke	65	21.5	24.4	5.9	27.7	31.4	7.1	32.3	36.2	6.6
Hip Fracture	41	2.4	6.9	*	2.4	12.4	*	7.3	16.0	*
Sepsis	17	29.4	28.1	*	41.2	35.3	*	41.2	41.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	8.9	*	18.8	14.8	*	25.0	19.6	*
Carotid Endarterectomy	1	0.0	0.8	*	0.0	1.3	*	0.0	1.9	*
Hip Replacement/Reconstruction	14	7.1	3.9	*	7.1	7.4	*	7.1	9.6	*
Open Reduction of Hip Fracture	15	6.7	6.0	*	6.7	11.1	*	6.7	14.3	*
Prostatectomy	54	3.7	1.6	2.5	5.6	3.9	3.7	7.4	6.4	4.3
Cholecystectomy	40	2.5	3.1	*	10.0	5.7	*	10.0	7.8	*
Hysterectomy	14	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,676	9.1	11.6	0.8	14.3	17.5	1.1	17.5	22.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	61	34.4	31.3	6.8	39.3	34.9	6.9	39.3	38.4	6.3
Congestive Heart Failure	115	15.7	17.3	4.6	21.7	26.2	6.9	30.4	33.5	6.8
Pneumonia/Influenza	64	17.2	22.1	10.3	21.9	29.7	10.2	31.3	35.4	7.8
Chronic Obstructive Pulmonary Disease	33	0.0	9.9	*	6.1	16.7	*	9.1	22.1	*
Transient Cerebral Ischemia	23	0.0	2.4	*	4.3	5.1	*	4.3	7.9	*
Stroke	69	15.9	23.1	6.8	18.8	29.4	8.4	18.8	33.9	11.1
Hip Fracture	34	2.9	7.4	*	2.9	13.1	*	5.9	17.0	*
Sepsis	20	30.0	27.9	*	40.0	37.4	*	45.0	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	3.3	*	13.3	6.8	*	13.3	10.0	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.3	*	0.0	3.2	*
Hip Replacement/Reconstruction	8	0.0	1.9	*	0.0	3.6	*	12.5	4.7	*
Open Reduction of Hip Fracture	21	4.8	7.4	*	4.8	13.5	*	4.8	17.5	*
Prostatectomy	69	1.4	1.5	3.2	8.7	3.6	3.9	10.1	6.1	4.3
Cholecystectomy	45	2.2	3.5	*	2.2	6.2	*	4.4	8.0	*
Hysterectomy	15	0.0	2.2	*	0.0	4.3	*	0.0	6.2	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

7.1

Bristol Hospital

Bristol Hospital
Brewster Road
Bristol, Connecticut 06010
203 585 3000

Thomas D Kennedy, III
President

January 14, 1991

Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert,

Bristol Hospital appreciates the opportunity to review and comment on the Health Care Financing Administration's data on the Medicare mortality rates for 1989.

Our hospital's Quality Assurance Program has been in place for a number of years. It provides for a comprehensive review of all medical procedures with a watchful eye toward any unusual occurrences so that we may continually improve our service. The medical management of 100% of the mortality cases is one of the many indicators in that ongoing evaluation process.

We are in the process of verifying and reviewing the data listed by H.C.F.A. and have found only minor variances in data in relation to classification of the principal diagnosis and the patient's age. The H.C.F.A. presentation is a useful check of our information systems.

It is important to understand that mortality figures provide limited value as a measure of quality. To the general public, "mortality rates" can have a strong emotional connotation and, despite explanations, an observed mortality rate which exceeds the predicted rate may be equated to poor quality.

The Bristol Hospital has two major concerns in regards to the study:

- In 11 of the 17 categories, the sample size had less than 50 total cases. Percentages based on these small samples have relatively little significance. The number of cases in these categories was too small to even permit an estimation of the standard deviation.
- The number of deaths documented 90 and 180 days post-discharge may lead the public to believe the cause of death was the same as the cause of hospitalization which is highly questionable and difficult to prove.

Health Standards and Quality Bureau/Sandra Kappert
January 14, 1991
Page 2

In conclusion, death is not a definitive measure of quality patient care. Inferences on care must never be made solely on outcome measures because a poor outcome can result when no deficiencies are identified in complying with accepted standards of care. Quality can only be evaluated through the process of peer review and quality assessment activities and not just statistical comparisons.

Again, I would like to thank you for the opportunity to review the H.C.F.A. mortality data in advance of its publication.

Sincerely,

Thomas D. Kennedy, III
President

TDK/lc:KP9

CHARLOTTE HUNGERFORD HOSPITAL

540 Litchfield St
Torrington, CT 06790

Medicare Provider Number: 070011

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,594	8.8	9.5	1.0	15.4	15.0	1.0	19.4	19.1	1.2
CONDITIONS:										
Acute Myocardial Infarction	57	15.8	23.1	11.6	22.8	26.8	12.1	24.6	30.4	10.0
Congestive Heart Failure	106	14.2	15.7	4.2	21.7	24.4	5.9	28.3	31.5	6.5
Pneumonia/Influenza	87	17.2	17.5	4.9	23.0	23.8	4.9	28.7	28.6	5.2
Chronic Obstructive Pulmonary Disease	15	0.0	7.5	*	6.7	13.5	*	6.7	18.4	*
Transient Cerebral Ischemia	17	0.0	1.7	*	0.0	3.6	*	0.0	5.6	*
Stroke	59	15.3	20.9	7.0	28.8	28.0	5.9	32.2	32.7	6.5
Hip Fracture	35	5.7	7.0	*	5.7	12.5	*	11.4	15.9	*
Sepsis	20	30.0	26.4	*	45.0	35.9	*	60.0	42.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	6.0	*	25.0	12.6	*	25.0	18.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	21	4.8	4.0	*	4.8	7.3	*	9.5	9.5	*
Open Reduction of Hip Fracture	25	4.0	5.4	*	4.0	10.0	*	8.0	13.1	*
Prostatectomy	79	0.0	1.3	2.0	1.3	3.0	3.4	5.1	5.0	3.6
Cholecystectomy	29	0.0	3.1	*	6.9	5.8	*	6.9	7.6	*
Hysterectomy	15	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	188
Occupancy Rate	65
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	76
Percent of Physicians Board Certified Specialists	89
Medical Residents/Interns	0
Registered Nurses	190
Licensed Practical Nurses	21

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CHARLOTTE HUNGERFORD HOSPITAL

Medicare Provider Number: 070011

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,530	10.0	9.7	0.8	15.0	15.0	0.9	18.3	19.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	45	28.9	25.1	*	31.1	28.4	*	31.1	32.0	*
Congestive Heart Failure	104	12.5	18.1	4.6	20.2	27.4	6.6	23.1	34.8	7.7
Pneumonia/Influenza	78	19.2	17.1	6.5	25.6	22.8	7.3	29.5	27.5	5.9
Chronic Obstructive Pulmonary Disease	25	4.0	7.1	*	8.0	12.6	*	12.0	17.4	*
Transient Cerebral Ischemia	24	0.0	2.4	*	8.3	5.2	*	8.3	8.0	*
Stroke	51	17.6	23.1	8.2	33.3	30.8	7.7	35.3	35.8	6.7
Hip Fracture	39	10.3	7.3	*	12.8	13.3	*	20.5	17.2	*
Sepsis	11	9.1	24.7	*	45.5	32.6	*	45.5	38.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	5.6	*	12.5	9.9	*	12.5	13.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	25	12.0	4.9	*	20.0	10.0	*	28.0	13.9	*
Open Reduction of Hip Fracture	21	0.0	6.2	*	0.0	11.5	*	9.5	14.9	*
Prostatectomy	77	2.6	1.5	1.7	3.9	3.7	2.2	5.2	5.8	2.9
Cholecystectomy	33	3.0	2.4	*	6.1	4.8	*	9.1	6.6	*
Hysterectomy	16	0.0	0.7	*	0.0	1.4	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,412	10.1	9.6	1.0	15.5	15.0	1.2	19.7	19.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	49	28.6	24.7	*	28.6	28.5	*	30.6	32.1	*
Congestive Heart Failure	83	10.8	15.9	6.1	20.5	24.0	6.8	30.1	31.0	5.4
Pneumonia/Influenza	55	10.9	15.3	5.8	25.5	21.0	6.4	29.1	25.7	6.5
Chronic Obstructive Pulmonary Disease	23	17.4	10.5	*	30.4	18.0	*	30.4	24.1	*
Transient Cerebral Ischemia	14	0.0	2.4	*	14.3	5.6	*	14.3	8.9	*
Stroke	53	26.4	19.7	7.6	30.2	27.1	6.8	35.8	31.9	6.9
Hip Fracture	24	0.0	5.4	*	12.5	10.0	*	16.7	13.3	*
Sepsis	12	0.0	21.5	*	8.3	32.8	*	41.7	40.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	2.4	*	0.0	4.6	*	0.0	6.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	25	0.0	3.0	*	4.0	6.1	*	12.0	8.5	*
Open Reduction of Hip Fracture	9	0.0	4.3	*	22.2	8.3	*	22.2	11.2	*
Prostatectomy	69	0.0	1.3	1.7	4.3	2.9	3.0	4.3	4.7	2.6
Cholecystectomy	21	9.5	5.4	*	9.5	9.0	*	14.3	11.8	*
Hysterectomy	13	0.0	1.0	*	0.0	2.3	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DANBURY HOSPITAL

24 Hospital Ave
Danbury, CT 06810

Medicare Provider Number: 070033

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,179	8.6	9.6	0.8	13.7	14.5	0.8	17.5	18.4	0.9
CONDITIONS:										
Acute Myocardial Infarction	115	22.6	28.0	9.3	27.0	31.5	8.8	30.4	35.1	8.0
Congestive Heart Failure	145	8.3	16.6	4.6	16.6	24.8	5.7	22.1	31.7	5.7
Pneumonia/Influenza	138	18.8	18.2	4.2	26.1	24.5	3.9	29.7	29.3	4.0
Chronic Obstructive Pulmonary Disease	54	1.9	5.5	5.0	7.4	10.7	7.2	14.8	15.5	8.8
Transient Cerebral Ischemia	35	0.0	2.2	*	5.7	4.9	*	14.3	7.9	*
Stroke	115	17.4	20.2	5.4	23.5	27.0	6.0	27.0	31.3	7.8
Hip Fracture	90	3.3	6.6	4.6	11.1	12.0	4.8	14.4	15.7	4.1
Sepsis	29	6.9	28.7	*	24.1	37.8	*	31.0	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	0.0	3.0	*	4.0	6.2	*	8.0	9.5	*
Carotid Endarterectomy	17	0.0	1.3	*	0.0	2.3	*	0.0	3.5	*
Hip Replacement/Reconstruction	70	1.4	3.0	2.8	4.3	5.8	3.2	7.1	7.9	3.5
Open Reduction of Hip Fracture	39	5.1	6.4	*	15.4	11.9	*	20.5	15.6	*
Prostatectomy	91	0.0	1.0	1.4	1.1	2.6	2.1	3.3	4.4	2.5
Cholecystectomy	47	0.0	2.7	*	4.3	4.7	*	4.3	6.1	*
Hysterectomy	34	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	458
Occupancy Rate	79
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	376
Percent of Physicians Board Certified Specialists	91
Medical Residents/Interns	59
Registered Nurses	457
Licensed Practical Nurses	61

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

DANBURY HOSPITAL

Medicare Provider Number: 070033

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,111	8.2	9.1	0.7	13.8	14.2	0.7	17.7	18.1	0.7
CONDITIONS:										
Acute Myocardial Infarction	90	22.2	24.4	4.8	30.0	28.2	4.9	34.4	31.9	5.0
Congestive Heart Failure	142	14.8	17.6	5.0	23.9	25.9	4.5	31.0	32.9	4.3
Pneumonia/Influenza	164	16.5	16.0	3.3	25.0	21.8	3.6	31.1	26.3	4.3
Chronic Obstructive Pulmonary Disease	41	7.3	5.1	*	12.2	9.9	*	22.0	14.0	*
Transient Cerebral Ischemia	37	0.0	2.4	*	2.7	5.5	*	10.8	8.8	*
Stroke	115	25.2	20.3	6.4	33.9	27.5	5.6	35.7	32.2	5.0
Hip Fracture	89	5.6	6.7	4.0	11.2	12.4	4.8	13.5	16.0	4.5
Sepsis	35	5.7	18.1	*	5.7	24.5	*	5.7	29.5	*
PROCEDURES:										
Angioplasty	1	0.0	9.5	*	0.0	18.6	*	0.0	25.7	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	2.5	*	7.7	4.6	*	7.7	6.8	*
Carotid Endarterectomy	11	0.0	1.2	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	52	1.9	4.7	3.5	1.9	7.8	4.7	1.9	10.1	5.9
Open Reduction of Hip Fracture	51	3.9	5.8	3.9	11.8	11.2	4.6	15.7	14.8	5.8
Prostatectomy	106	1.9	1.2	1.6	2.8	2.8	1.8	4.7	4.5	2.0
Cholecystectomy	62	3.2	3.6	3.7	4.8	6.5	3.9	9.7	8.4	4.0
Hysterectomy	25	0.0	0.7	*	4.0	1.4	*	4.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,836	9.4	9.5	0.6	15.4	14.7	1.1	18.2	18.7	0.9
CONDITIONS:										
Acute Myocardial Infarction	90	21.1	26.4	7.4	21.1	29.5	7.5	21.1	33.0	9.3
Congestive Heart Failure	141	20.6	18.0	4.3	30.5	26.5	6.0	38.3	33.7	8.9
Pneumonia/Influenza	134	15.7	17.1	3.4	26.9	23.2	4.8	29.9	28.2	4.3
Chronic Obstructive Pulmonary Disease	42	19.0	10.7	*	23.8	17.7	*	26.2	23.1	*
Transient Cerebral Ischemia	47	0.0	2.0	*	2.1	4.2	*	2.1	6.7	*
Stroke	95	21.1	20.4	4.2	26.3	28.2	6.3	28.4	33.0	7.2
Hip Fracture	87	6.9	6.1	2.8	10.3	11.4	3.8	12.6	15.0	5.4
Sepsis	15	20.0	20.8	*	26.7	27.5	*	26.7	32.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	0.0	2.8	*	0.0	5.9	*	0.0	9.0	*
Carotid Endarterectomy	7	0.0	2.0	*	0.0	4.3	*	0.0	6.7	*
Hip Replacement/Reconstruction	60	5.0	3.5	2.7	8.3	6.7	3.6	8.3	8.9	3.7
Open Reduction of Hip Fracture	42	4.8	5.7	*	7.1	11.1	*	11.9	14.9	*
Prostatectomy	96	1.0	0.8	1.2	3.1	2.0	1.8	4.2	3.3	2.1
Cholecystectomy	49	2.0	2.9	*	2.0	5.1	*	4.1	6.5	*
Hysterectomy	23	0.0	0.9	*	0.0	1.5	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

11.1

Danbury Hospital
The Community Health Center
Danbury, Connecticut 06810

(203) 797-7331

Matthew A. Miller, M. D., F.C.C.P., F.A.C.P
Chief, Pulmonary Medicine
Associate Clinical Professor of Medicine
Yale University School of Medicine

January 11, 1990

Medicare Provider # 070033

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Thank you for the opportunity to review and comment on the Health Care Financing Administration's Medicare Hospital Mortality Information. Outlined below are our comments:

Danbury Hospital has a very active quality assurance (QA) program. Among the components of this QA program are surgical case review of all surgeries, prospective review of all obstetric, gynecologic patients, active case review in each clinical specialty, and a multidiscplinary mortality review program. The HCFA mortality data has been shared with each clinical section, and will become part of their quality assurance review.

We have reviewed the Data for statistical significance and for trends over time, and following HCFA's guidelines have not found any areas where the differences between observed and predicted mortality rates are significant.

In the category of deaths from "all causes", Danbury's experience, as in all prior years, indicates that the observed mortality rate is lower than the rate predicted by the HCFA statistical model. This same trend holds true in the vast majority of the categories, chosen for study by HCFA.

In the very few areas where the observed rate is higher than the predicted, the differences, again utilizing HCFA guidelines, are not significant. These differences are either well within one standard deviation, or are instances where the number of cases were 50 or fewer, and by HCFA's conclusion, "the precision and interpretability of these estimates are questionable.

We would also like to make a correction within the Hospital characteristics. Danbury Hospital has a 10-bed cardiovascular Intensive Care Unit. The absence of this unit, as reported, was in error.

Thank you for giving us the opportunity to respond.

Sincerely,

Matthew A. Miller, M.D.
Chairman
Quality Assurance Committee

DAY KIMBALL HOSPITAL

320 Pomfret Street
Putnam, CT 06260

Medicare Provider Number: 070003

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,303	8.6	8.7	0.8	14.1	13.3	1.2	17.1	17.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	58	25.9	28.2	9.1	31.0	31.3	10.2	31.0	34.9	9.1
Congestive Heart Failure	69	14.5	13.4	4.2	18.8	20.9	5.3	23.2	27.4	7.9
Pneumonia/Influenza	69	15.9	13.2	5.6	21.7	18.6	5.3	23.2	22.9	5.6
Chronic Obstructive Pulmonary Disease	24	4.2	5.6	*	12.5	10.6	*	12.5	15.2	*
Transient Cerebral Ischemia	26	0.0	1.6	*	0.0	3.5	*	3.8	5.5	*
Stroke	46	15.2	19.6	*	19.6	26.4	*	21.7	31.3	*
Hip Fracture	35	2.9	5.8	*	11.4	11.1	*	17.1	14.7	*
Sepsis	10	10.0	19.0	*	10.0	25.0	*	10.0	30.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	5.9	5.7	*	5.9	8.9	*	5.9	11.7	*
Carotid Endarterectomy	3	0.0	1.9	*	0.0	3.4	*	0.0	5.1	*
Hip Replacement/Reconstruction	25	0.0	3.4	*	4.0	6.9	*	8.0	9.9	*
Open Reduction of Hip Fracture	17	5.9	5.8	*	23.5	11.3	*	35.3	15.1	*
Prostatectomy	39	5.1	1.4	*	5.1	3.4	*	7.7	5.4	*
Cholecystectomy	33	0.0	3.8	*	6.1	6.6	*	12.1	8.2	*
Hysterectomy	14	0.0	0.5	*	7.1	1.1	*	7.1	1.8	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	119
Occupancy Rate	65
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	92
Percent of Physicians Board Certified Specialists	87
Medical Residents/Interns	0
Registered Nurses	142
Licensed Practical Nurses	15

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

DAY KIMBALL HOSPITAL

Medicare Provider Number: 070003

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,328	11.1	8.7	1.1	15.5	13.4	1.3	19.5	17.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	41	34.1	27.4	*	36.6	30.2	*	39.0	33.5	*
Congestive Heart Failure	83	18.1	13.9	7.0	25.3	21.3	6.6	32.5	27.7	8.1
Pneumonia/Influenza	66	15.2	13.8	4.4	22.7	19.6	5.8	30.3	23.6	9.3
Chronic Obstructive Pulmonary Disease	28	17.9	6.9	*	21.4	13.4	*	28.6	19.1	*
Transient Cerebral Ischemia	15	0.0	1.4	*	6.7	2.8	*	13.3	4.3	*
Stroke	49	38.8	21.3	*	49.0	28.1	*	51.0	32.8	*
Hip Fracture	38	13.2	5.2	*	18.4	9.9	*	18.4	13.2	*
Sepsis	14	28.6	27.6	*	28.6	39.4	*	35.7	47.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	3.2	*	0.0	6.2	*	20.0	9.1	*
Carotid Endarterectomy	11	0.0	1.9	*	0.0	3.8	*	0.0	5.5	*
Hip Replacement/Reconstruction	23	4.3	2.7	*	8.7	5.5	*	8.7	7.8	*
Open Reduction of Hip Fracture	17	11.8	5.4	*	17.6	10.5	*	17.6	14.2	*
Prostatectomy	47	0.0	0.8	*	4.3	2.0	*	6.4	3.4	*
Cholecystectomy	39	0.0	2.0	*	0.0	3.8	*	0.0	5.1	*
Hysterectomy	13	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,260	9.9	9.7	1.0	16.1	14.6	1.2	20.7	18.5	1.5
CONDITIONS:										
Acute Myocardial Infarction	60	31.7	31.6	6.0	38.3	34.8	7.0	41.7	38.4	6.8
Congestive Heart Failure	81	11.1	14.6	4.2	21.0	22.5	4.7	34.6	29.3	5.6
Pneumonia/Influenza	67	14.9	15.6	4.5	25.4	21.9	5.5	34.3	26.9	7.5
Chronic Obstructive Pulmonary Disease	36	16.7	7.4	*	19.4	12.5	*	30.6	16.7	*
Transient Cerebral Ischemia	24	0.0	2.0	*	12.5	4.5	*	20.8	7.4	*
Stroke	57	31.6	20.9	9.5	38.6	26.9	9.3	40.4	31.4	8.7
Hip Fracture	48	2.1	5.2	*	6.3	9.9	*	6.3	13.3	*
Sepsis	10	20.0	25.7	*	30.0	32.7	*	30.0	39.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	3.2	*	0.0	6.6	*	0.0	9.8	*
Carotid Endarterectomy	12	8.3	2.0	*	8.3	3.8	*	8.3	5.4	*
Hip Replacement/Reconstruction	32	3.1	4.0	*	9.4	8.2	*	9.4	11.4	*
Open Reduction of Hip Fracture	22	0.0	4.8	*	0.0	9.5	*	0.0	12.9	*
Prostatectomy	40	0.0	1.4	*	2.5	3.6	*	5.0	6.2	*
Cholecystectomy	25	0.0	2.8	*	4.0	4.8	*	4.0	6.1	*
Hysterectomy	6	0.0	0.7	*	0.0	1.5	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GREENWICH HOSPITAL ASSOCIATION

Perryridge Rd
Greenwich, CT 06830

Medicare Provider Number: 070018

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	1,936	9.1	9.6	1.0	14.2	14.5	0.9	17.6	18.4	1.1
CONDITIONS:										
Acute Myocardial Infarction	61	26.2	25.5	5.7	31.1	29.2	6.1	36.1	32.8	7.2
Congestive Heart Failure	78	15.4	17.6	5.1	30.8	27.2	5.9	35.9	34.7	6.5
Pneumonia/Influenza	71	16.9	16.7	5.5	23.9	22.5	5.1	26.8	27.1	5.3
Chronic Obstructive Pulmonary Disease	14	0.0	5.9	*	0.0	10.4	*	14.3	14.5	*
Transient Cerebral Ischemia	38	0.0	1.6	*	0.0	3.5	*	2.6	5.7	*
Stroke	85	18.8	21.5	6.1	24.7	28.0	7.6	27.1	32.6	8.9
Hip Fracture	57	3.5	6.4	4.1	7.0	11.4	6.5	8.8	14.6	6.7
Sepsis	18	16.7	28.2	*	27.8	37.2	*	27.8	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	2.3	*	0.0	4.8	*	0.0	7.2	*
Carotid Endarterectomy	10	0.0	1.2	*	0.0	2.2	*	0.0	3.3	*
Hip Replacement/Reconstruction	50	4.0	3.4	*	6.0	6.4	*	8.0	8.6	*
Open Reduction of Hip Fracture	31	0.0	5.8	*	3.2	10.6	*	3.2	13.9	*
Prostatectomy	58	0.0	1.5	1.9	1.7	2.9	2.4	1.7	4.5	3.3
Cholecystectomy	33	3.0	3.6	*	3.0	6.5	*	9.1	8.5	*
Hysterectomy	15	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	180
Occupancy Rate	95
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	165
Percent of Physicians Board Certified Specialists	76
Medical Residents/Interns	19
Registered Nurses	268
Licensed Practical Nurses	12

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GREENWICH HOSPITAL ASSOCIATION

Medicare Provider Number: 070018

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,051	8.7	9.6	0.9	13.0	14.6	1.3	16.5	18.5	1.5
CONDITIONS:										
Acute Myocardial Infarction	65	32.3	27.4	6.1	32.3	31.4	6.0	33.8	35.2	6.0
Congestive Heart Failure	74	17.6	18.0	4.6	25.7	27.3	6.8	32.4	34.4	6.6
Pneumonia/Influenza	72	16.7	19.1	5.1	25.0	25.9	5.2	29.2	31.0	6.4
Chronic Obstructive Pulmonary Disease	17	5.9	7.8	*	11.8	14.0	*	23.5	19.5	*
Transient Cerebral Ischemia	40	5.0	1.8	*	5.0	4.0	*	5.0	6.3	*
Stroke	101	14.9	23.9	5.3	17.8	31.0	6.0	19.8	35.7	6.8
Hip Fracture	52	1.9	6.6	4.1	7.7	12.1	6.6	9.6	15.8	6.6
Sepsis	18	33.3	26.3	*	38.9	35.0	*	61.1	41.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	28.6	7.1	*	28.6	9.6	*	28.6	11.9	*
Carotid Endarterectomy	11	0.0	1.6	*	0.0	3.3	*	0.0	4.9	*
Hip Replacement/Reconstruction	43	0.0	2.7	*	2.3	5.1	*	2.3	6.9	*
Open Reduction of Hip Fracture	40	2.5	5.1	*	7.5	9.9	*	10.0	13.1	*
Prostatectomy	75	0.0	0.9	1.4	1.3	2.1	2.1	4.0	3.6	2.6
Cholecystectomy	17	11.8	3.7	*	11.8	7.0	*	11.8	9.6	*
Hysterectomy	17	0.0	1.2	*	0.0	2.4	*	0.0	3.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,817	8.4	9.5	0.9	13.4	14.7	1.0	16.7	18.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	58	24.1	28.2	9.1	27.6	32.9	9.6	31.0	37.1	10.4
Congestive Heart Failure	71	14.1	17.4	8.6	23.9	26.4	7.6	31.0	33.7	7.1
Pneumonia/Influenza	82	13.4	17.3	5.2	23.2	23.8	4.8	25.6	29.0	5.9
Chronic Obstructive Pulmonary Disease	25	8.0	9.9	*	20.0	17.2	*	24.0	23.0	*
Transient Cerebral Ischemia	52	1.9	2.1	2.0	1.9	4.6	3.3	3.8	7.2	4.3
Stroke	63	12.7	23.9	8.1	25.4	30.7	6.7	28.6	35.4	7.5
Hip Fracture	54	0.0	6.6	6.8	3.7	12.4	8.3	5.6	16.5	9.6
Sepsis	14	21.4	27.2	*	50.0	34.6	*	50.0	40.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	5.8	*	9.1	10.3	*	9.1	13.8	*
Carotid Endarterectomy	8	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	34	0.0	2.6	*	0.0	5.1	*	0.0	7.0	*
Open Reduction of Hip Fracture	35	0.0	5.3	*	2.9	10.7	*	5.7	14.8	*
Prostatectomy	51	0.0	0.7	*	0.0	1.6	*	0.0	2.7	*
Cholecystectomy	28	0.0	3.7	*	3.6	6.6	*	3.6	8.5	*
Hysterectomy	11	0.0	1.1	*	0.0	2.2	*	0.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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THE
GREENWICH HOSPITAL
ASSOCIATION

PERRYRIDGE ROAD
GREENWICH, CONNECTICUT 06830-4697 · TEL. 203 863-3000

EDWARD M. KENNEY
PRESIDENT

January 11, 1991

Gail R. Wilensky, Ph.D.
Health Care Financing Administration
Department of Health & Human Services
6325 Security Boulevard
Baltimore, MD 21207

Dear Dr. Wilensky:

Greenwich Hospital is pleased that the data compiled by the Health Care Financing Administration (HCFA) concerning mortality data indicates that Greenwich Hospital is within expected norms.

In HCFA's study of our deaths in each of several categories in the years 1987, 1988 and 1989, it gave us our predicted death rates and provided us with information we needed to evaluate their data. In all categories, we were well within or below the expected ranges.

We were not surprised by the outcomes of the HCFA study as we also perform ongoing internal quality review programs of patient care for which the Joint Commission on Healthcare Organizations has ranked us in the top 10 percent of hospitals surveyed in 1989.

We hope that in the future, HCFA will continue to refine its data so that it can be more meaningful to hospitals who will use it for self-evaluation and to the public who may use it to select or judge a healthcare institution.

Sincerely,

Edward M. Kenney
President

GRIFFIN HOSPITAL

130 Division St
Derby, CT 06418

Medicare Provider Number: 070031

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,671	9.2	10.4	1.1	14.8	15.7	1.3	18.1	19.7	1.6
CONDITIONS:										
Acute Myocardial Infarction	80	26.2	29.8	6.0	32.5	33.4	7.0	33.7	37.2	8.2
Congestive Heart Failure	120	10.8	15.9	5.2	18.3	24.6	6.8	22.5	31.7	8.0
Pneumonia/Influenza	46	15.2	15.6	*	26.1	21.0	*	28.3	25.4	*
Chronic Obstructive Pulmonary Disease	41	9.8	6.0	*	12.2	11.9	*	14.6	17.1	*
Transient Cerebral Ischemia	19	0.0	1.9	*	0.0	4.1	*	0.0	6.6	*
Stroke	72	20.8	21.9	5.5	26.4	28.6	6.6	31.9	33.5	7.1
Hip Fracture	41	4.9	6.4	*	7.3	11.1	*	7.3	14.1	*
Sepsis	20	15.0	18.6	*	25.0	25.1	*	30.0	29.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	4.4	*	20.0	7.5	*	20.0	10.2	*
Carotid Endarterectomy	3	0.0	1.5	*	0.0	2.7	*	0.0	4.2	*
Hip Replacement/Reconstruction	9	0.0	1.4	*	0.0	2.7	*	0.0	3.8	*
Open Reduction of Hip Fracture	34	5.9	5.8	*	8.8	10.5	*	8.8	13.6	*
Prostatectomy	78	0.0	1.3	1.6	1.3	3.0	2.5	3.8	4.9	3.1
Cholecystectomy	37	2.7	3.4	*	2.7	5.7	*	5.4	7.2	*
Hysterectomy	18	5.6	0.8	*	5.6	1.5	*	5.6	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	200
Occupancy Rate	63
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	108
Percent of Physicians Board Certified Specialists	68
Medical Residents/Interns	18
Registered Nurses	132
Licensed Practical Nurses	21

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GRIFFIN HOSPITAL

Medicare Provider Number: 070031

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,841	11.3	10.1	1.1	16.6	15.0	1.4	20.2	18.9	1.4
CONDITIONS:										
Acute Myocardial Infarction	80	26.2	30.1	7.5	31.3	33.5	7.3	35.0	37.1	7.2
Congestive Heart Failure	111	14.4	17.0	4.2	24.3	25.3	4.3	35.1	32.2	5.7
Pneumonia/Influenza	66	18.2	16.9	4.7	28.8	23.2	7.0	30.3	27.9	6.2
Chronic Obstructive Pulmonary Disease	33	15.2	7.8	*	24.2	13.6	*	27.3	18.7	*
Transient Cerebral Ischemia	31	3.2	2.2	*	6.5	5.1	*	12.9	8.2	*
Stroke	87	23.0	25.7	5.1	31.0	31.4	5.1	35.6	36.0	5.2
Hip Fracture	51	11.8	6.6	8.5	17.6	11.9	9.5	19.6	15.3	9.0
Sepsis	17	52.9	34.6	*	58.8	44.0	*	58.8	50.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	15.4	3.9	*	15.4	7.8	*	15.4	11.8	*
Carotid Endarterectomy	3	0.0	1.5	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction	18	11.1	4.8	*	16.7	9.3	*	16.7	12.4	*
Open Reduction of Hip Fracture	39	10.3	5.7	*	15.4	10.6	*	17.9	13.9	*
Prostatectomy	103	1.0	1.1	1.0	1.0	2.7	2.0	1.0	4.5	3.1
Cholecystectomy	45	0.0	2.8	*	0.0	4.8	*	2.2	6.1	*
Hysterectomy	19	10.5	0.8	*	10.5	1.6	*	10.5	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,586	9.8	10.5	1.1	14.7	15.7	1.4	18.7	19.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	75	26.7	30.4	6.8	29.3	33.9	7.2	30.7	37.5	6.8
Congestive Heart Failure	111	17.1	17.4	3.7	24.3	25.9	4.6	33.3	32.9	4.9
Pneumonia/Influenza	44	18.2	16.7	*	20.5	22.7	*	25.0	27.5	*
Chronic Obstructive Pulmonary Disease	31	9.7	8.4	*	19.4	14.2	*	25.8	19.1	*
Transient Cerebral Ischemia	23	0.0	2.4	*	0.0	5.1	*	0.0	7.9	*
Stroke	66	15.2	23.7	8.5	22.7	29.8	7.4	28.8	34.5	6.9
Hip Fracture	34	0.0	7.5	*	5.9	13.0	*	11.8	16.7	*
Sepsis	29	24.1	22.6	*	37.9	29.2	*	41.4	34.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.1	*	0.0	4.6	*	0.0	7.1	*
Carotid Endarterectomy	2	0.0	2.0	*	0.0	3.6	*	0.0	5.3	*
Hip Replacement/Reconstruction	12	8.3	3.7	*	8.3	7.3	*	16.7	10.4	*
Open Reduction of Hip Fracture	26	0.0	6.7	*	7.7	12.6	*	11.5	16.5	*
Prostatectomy	58	0.0	1.5	2.1	1.7	3.8	3.2	5.2	6.2	3.7
Cholecystectomy	48	0.0	3.7	*	0.0	6.4	*	2.1	8.0	*
Hysterectomy	25	0.0	2.0	*	0.0	3.0	*	4.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HARTFORD HOSPITAL

80 Seymour St
Hartford, CT 06106

Medicare Provider Number: 070025

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,681	9.2	9.0	0.6	14.5	13.7	0.8	17.8	17.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	253	20.6	26.0	3.4	24.5	29.4	3.4	29.6	32.8	3.2
Congestive Heart Failure	278	13.3	16.1	3.8	24.1	24.9	3.8	30.9	31.9	3.6
Pneumonia/Influenza	268	16.0	19.7	3.9	23.9	26.4	3.9	30.6	31.6	3.1
Chronic Obstructive Pulmonary Disease	42	14.3	8.9	*	23.8	14.7	*	28.6	19.8	*
Transient Cerebral Ischemia	58	0.0	1.8	4.8	3.4	4.1	4.2	6.9	6.4	3.4
Stroke	199	25.6	21.8	5.6	33.7	28.7	5.4	36.7	33.1	5.0
Hip Fracture	181	4.4	7.7	2.7	8.3	13.8	4.1	13.8	17.8	3.9
Sepsis	34	29.4	34.2	*	41.2	43.2	*	41.2	49.9	*
PROCEDURES:										
Angioplasty	84	0.0	3.0	3.5	1.2	4.0	3.5	2.4	5.0	3.6
Coronary Artery Bypass Graft	175	9.7	5.3	4.0	11.4	7.8	4.4	12.6	9.3	4.7
Initial Pacemaker Insertion	36	0.0	2.3	*	2.8	4.7	*	2.8	7.1	*
Carotid Endarterectomy	43	2.3	1.3	*	2.3	2.4	*	2.3	3.4	*
Hip Replacement/Reconstruction	178	1.1	2.9	1.9	5.1	5.5	1.7	7.3	7.4	2.1
Open Reduction of Hip Fracture	56	1.8	6.8	4.0	1.8	12.7	6.3	7.1	16.6	6.6
Prostatectomy	218	1.4	1.0	0.9	1.8	2.5	1.3	3.2	4.2	2.1
Cholecystectomy	95	1.1	2.8	2.8	3.2	4.9	3.2	5.3	6.5	2.7
Hysterectomy	88	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	955
Occupancy Rate	87
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	633
Percent of Physicians Board Certified Specialists	83
Medical Residents/Interns	174
Registered Nurses	1,047
Licensed Practical Nurses	156

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

HARTFORD HOSPITAL

Medicare Provider Number: 070025

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,908	9.0	9.1	0.4	14.1	13.8	0.5	17.2	17.4	0.5
CONDITIONS:										
Acute Myocardial Infarction	249	22.5	24.4	3.1	25.7	28.0	3.5	27.7	31.5	4.7
Congestive Heart Failure	266	16.2	16.5	2.4	27.8	25.0	3.0	35.7	31.9	3.4
Pneumonia/Influenza	210	21.0	19.0	5.9	28.6	25.3	5.0	32.4	30.2	4.5
Chronic Obstructive Pulmonary Disease	63	9.5	11.0	4.7	22.2	18.9	6.1	27.0	25.1	7.3
Transient Cerebral Ischemia	61	3.3	2.0	*	3.3	4.4	*	4.9	6.9	*
Stroke	225	19.1	24.6	5.0	28.0	31.4	5.4	32.9	36.0	4.1
Hip Fracture	175	5.1	7.0	3.0	12.6	12.9	2.6	14.9	16.7	3.6
Sepsis	38	26.3	32.1	*	39.5	41.5	*	42.1	47.9	*
PROCEDURES:										
Angioplasty	42	0.0	2.8	*	0.0	3.7	*	0.0	4.8	*
Coronary Artery Bypass Graft	234	7.7	6.1	2.2	9.8	8.6	3.1	11.5	10.2	3.5
Initial Pacemaker Insertion	43	7.0	5.0	*	7.0	8.5	*	7.0	11.5	*
Carotid Endarterectomy	48	2.1	1.2	*	2.1	2.2	*	2.1	3.2	*
Hip Replacement/Reconstruction	208	3.4	2.8	2.6	7.7	5.5	3.3	8.7	7.4	3.2
Open Reduction of Hip Fracture	51	2.0	6.5	5.1	9.8	12.6	6.3	11.8	16.6	8.4
Prostatectomy	229	1.3	1.1	0.9	2.6	2.7	1.2	4.4	4.5	1.4
Cholecystectomy	105	1.9	3.7	2.4	4.8	6.9	3.5	9.5	9.3	2.9
Hysterectomy	77	2.6	0.6	2.0	3.9	1.4	2.8	3.9	2.1	3.1

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,748	9.0	9.5	0.5	13.9	14.4	0.6	17.2	18.1	0.7
CONDITIONS:										
Acute Myocardial Infarction	286	28.0	25.8	3.7	33.2	29.6	4.5	36.0	33.0	5.5
Congestive Heart Failure	292	14.7	17.7	3.0	23.3	26.5	3.3	29.1	33.6	4.2
Pneumonia/Influenza	196	17.3	18.5	3.2	26.5	24.8	3.4	31.6	29.8	3.5
Chronic Obstructive Pulmonary Disease	52	15.4	11.4	7.8	26.9	18.1	7.5	28.8	23.2	7.5
Transient Cerebral Ischemia	51	2.0	1.8	2.0	3.9	3.7	2.8	5.9	5.7	4.1
Stroke	220	20.5	23.7	4.4	29.1	31.0	5.6	33.2	35.6	5.3
Hip Fracture	169	5.3	7.5	2.6	8.3	13.3	4.3	12.4	17.0	4.3
Sepsis	39	28.2	35.1	*	46.2	45.3	*	48.7	52.2	*
PROCEDURES:										
Angioplasty	24	0.0	4.6	*	0.0	5.7	*	0.0	6.9	*
Coronary Artery Bypass Graft	178	3.9	6.6	2.5	7.3	9.2	2.7	9.6	10.7	2.4
Initial Pacemaker Insertion	45	8.9	4.7	*	13.3	7.9	*	20.0	10.9	*
Carotid Endarterectomy	45	0.0	1.6	*	0.0	2.9	*	0.0	4.1	*
Hip Replacement/Reconstruction	185	1.6	2.7	1.8	3.8	5.0	1.9	6.5	6.6	1.9
Open Reduction of Hip Fracture	61	1.6	6.6	4.1	3.3	12.2	6.3	6.6	15.9	7.1
Prostatectomy	222	0.0	1.0	1.0	2.3	2.4	1.2	3.2	4.0	1.5
Cholecystectomy	124	0.8	3.1	2.6	3.2	5.4	3.3	4.8	6.9	3.8
Hysterectomy	61	1.6	0.8	1.6	3.3	1.7	2.3	3.3	2.5	2.9

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL OF ST RAPHAEL

1450 Chapel St
New Haven, CT 06511

Medicare Provider Number: 070001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,649	9.6	10.9	0.6	14.8	16.2	0.6	18.5	20.2	0.7
CONDITIONS:										
Acute Myocardial Infarction	188	21.3	26.5	3.6	28.2	30.2	3.5	29.3	33.7	3.7
Congestive Heart Failure	213	16.4	16.5	2.5	24.4	25.3	3.1	30.0	32.5	4.9
Pneumonia/Influenza	207	22.2	21.3	3.0	29.0	28.2	3.3	34.3	33.5	3.6
Chronic Obstructive Pulmonary Disease	41	2.4	10.4	*	7.3	17.9	*	14.6	24.4	*
Transient Cerebral Ischemia	55	0.0	1.8	2.3	0.0	3.8	3.9	1.8	5.9	4.4
Stroke	172	21.5	21.7	3.2	27.3	29.1	3.8	33.1	33.6	3.9
Hip Fracture	143	8.4	7.4	2.9	12.6	13.2	2.9	17.5	17.0	3.2
Sepsis	53	22.6	29.0	7.5	39.6	37.1	6.8	43.4	43.4	6.9
PROCEDURES:										
Angioplasty	147	4.8	3.5	1.8	6.1	4.8	2.2	7.5	6.2	2.6
Coronary Artery Bypass Graft	175	5.1	6.3	2.3	7.4	9.3	2.8	10.9	11.2	2.4
Initial Pacemaker Insertion	39	2.6	4.8	*	5.1	7.8	*	5.1	10.4	*
Carotid Endarterectomy	28	0.0	1.2	*	0.0	2.1	*	0.0	3.1	*
Hip Replacement/Reconstruction	65	3.1	3.5	2.3	6.2	7.2	3.4	10.8	10.4	3.9
Open Reduction of Hip Fracture	104	5.8	6.6	3.1	8.7	12.2	5.4	13.5	16.1	5.5
Prostatectomy	135	0.7	1.0	0.9	2.2	2.5	1.5	3.0	4.2	2.5
Cholecystectomy	114	3.5	3.4	1.7	5.3	6.3	2.6	6.1	8.2	4.0
Hysterectomy	25	0.0	0.8	*	0.0	1.7	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	452
Occupancy Rate	93
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	392
Percent of Physicians Board Certified Specialists	32
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

HOSPITAL OF ST RAPHAEL

Medicare Provider Number: 070001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,685	9.3	11.3	0.6	14.8	16.8	0.7	18.7	20.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	192	22.9	28.9	4.1	26.0	32.5	4.3	34.9	36.0	3.5
Congestive Heart Failure	235	17.0	17.4	2.7	26.4	26.0	2.9	31.5	33.0	3.9
Pneumonia/Influenza	187	15.5	20.3	5.7	25.1	26.7	4.7	29.9	31.7	3.7
Chronic Obstructive Pulmonary Disease	42	7.1	11.3	*	16.7	18.0	*	16.7	23.5	*
Transient Cerebral Ischemia	57	3.5	2.0	3.2	5.3	4.3	3.3	7.0	6.7	3.7
Stroke	182	24.2	21.8	5.0	31.9	28.9	5.3	35.2	33.5	4.2
Hip Fracture	144	4.2	6.8	3.7	9.0	12.3	5.6	11.8	15.8	5.6
Sepsis	67	17.9	26.1	9.9	31.3	34.0	11.7	34.3	40.2	8.8
PROCEDURES:										
Angioplasty	126	3.2	3.6	1.7	3.2	4.9	2.4	6.3	6.3	2.2
Coronary Artery Bypass Graft	208	6.2	7.6	2.0	8.7	10.1	2.7	9.1	11.6	3.2
Initial Pacemaker Insertion	23	4.3	5.0	*	4.3	8.1	*	8.7	11.0	*
Carotid Endarterectomy	23	4.3	1.8	*	4.3	3.4	*	4.3	5.0	*
Hip Replacement/Reconstruction	85	2.4	4.3	2.8	5.9	8.4	4.1	8.2	11.1	5.6
Open Reduction of Hip Fracture	82	3.7	6.0	3.3	8.5	11.3	4.8	12.2	14.9	4.6
Prostatectomy	140	1.4	1.4	1.1	3.6	3.2	1.6	4.3	5.1	2.3
Cholecystectomy	106	1.9	3.8	3.1	5.7	6.7	4.0	6.6	8.7	3.7
Hysterectomy	33	0.0	1.1	*	0.0	2.5	*	0.0	4.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,024	10.2	11.7	0.6	16.6	17.4	0.7	21.0	21.7	0.7
CONDITIONS:										
Acute Myocardial Infarction	177	24.3	29.3	3.9	35.0	33.2	4.8	39.0	36.8	4.0
Congestive Heart Failure	230	17.0	20.0	3.2	26.1	29.8	4.6	32.6	37.4	4.4
Pneumonia/Influenza	116	19.0	21.3	5.3	26.7	28.3	4.4	33.6	33.8	4.4
Chronic Obstructive Pulmonary Disease	56	8.9	11.2	4.6	17.9	18.4	5.2	25.0	24.1	5.8
Transient Cerebral Ischemia	34	0.0	2.1	*	0.0	4.3	*	2.9	6.6	*
Stroke	158	25.3	21.5	4.0	36.1	29.2	5.7	41.8	33.9	6.3
Hip Fracture	134	3.0	7.6	3.2	10.4	13.3	3.3	17.9	17.1	3.4
Sepsis	61	27.9	32.9	8.0	39.3	42.9	8.6	44.3	49.4	8.9
PROCEDURES:										
Angioplasty	69	1.4	2.9	2.7	1.4	3.8	3.2	1.4	4.9	3.9
Coronary Artery Bypass Graft	174	5.2	7.1	2.9	9.2	9.8	3.0	9.8	11.4	2.9
Initial Pacemaker Insertion	21	0.0	5.2	*	0.0	10.2	*	4.8	14.4	*
Carotid Endarterectomy	22	0.0	1.6	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	61	1.6	3.7	3.2	8.2	6.8	3.7	13.1	9.0	5.2
Open Reduction of Hip Fracture	91	2.2	6.6	4.1	6.6	12.3	5.3	13.2	16.0	4.6
Prostatectomy	77	2.6	1.2	1.9	3.9	2.8	2.3	5.2	4.7	2.6
Cholecystectomy	81	2.5	5.2	3.6	9.9	9.2	3.7	13.6	11.7	4.8
Hysterectomy	24	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

JOHN DEMPSEY HOSPITAL

Farmington Ave
Farmington, CT 06032

Medicare Provider Number: 070036

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	896	7.3	9.4	1.3	11.6	14.4	1.5	15.0	18.2	1.7
CONDITIONS:										
Acute Myocardial Infarction	30	16.7	22.6	*	20.0	25.9	*	20.0	29.2	*
Congestive Heart Failure	50	2.0	15.4	*	10.0	24.1	*	16.0	31.0	*
Pneumonia/Influenza	20	20.0	16.4	*	25.0	22.1	*	30.0	26.4	*
Chronic Obstructive Pulmonary Disease	9	11.1	7.4	*	11.1	12.9	*	11.1	17.5	*
Transient Cerebral Ischemia	6	0.0	1.9	*	0.0	4.3	*	0.0	6.9	*
Stroke	28	14.3	23.8	*	21.4	30.6	*	21.4	35.3	*
Hip Fracture	26	0.0	6.3	*	0.0	11.3	*	0.0	14.8	*
Sepsis	11	27.3	24.8	*	36.4	33.4	*	36.4	40.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	3.5	*	0.0	7.3	*	0.0	11.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	29	0.0	3.6	*	0.0	6.8	*	3.4	9.3	*
Open Reduction of Hip Fracture	17	0.0	5.2	*	0.0	9.8	*	0.0	12.9	*
Prostatectomy	25	0.0	1.5	*	0.0	3.6	*	8.0	5.8	*
Cholecystectomy	11	0.0	1.4	*	0.0	2.3	*	9.1	2.9	*
Hysterectomy	4	0.0	2.9	*	0.0	6.2	*	0.0	9.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	232
Occupancy Rate	69
Ownership/Control	State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	586
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	0
Registered Nurses	293
Licensed Practical Nurses	2

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

JOHN DEMPSEY HOSPITAL

Medicare Provider Number: 070036

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	911	9.2	9.4	1.1	13.6	14.6	1.4	18.6	18.6	1.4
CONDITIONS:										
Acute Myocardial Infarction	34	20.6	24.0	*	20.6	27.8	*	26.5	31.4	*
Congestive Heart Failure	39	7.7	18.7	*	23.1	28.5	*	30.8	35.7	*
Pneumonia/Influenza	32	25.0	18.6	*	31.3	24.8	*	34.4	29.5	*
Chronic Obstructive Pulmonary Disease	15	0.0	10.1	*	13.3	17.3	*	20.0	23.3	*
Transient Cerebral Ischemia	2	0.0	1.7	*	0.0	3.8	*	0.0	6.0	*
Stroke	19	15.8	19.4	*	21.1	25.8	*	21.1	30.4	*
Hip Fracture	29	3.4	6.0	*	3.4	11.1	*	13.8	14.5	*
Sepsis	6	33.3	32.4	*	50.0	43.5	*	66.7	51.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	8.9	*	7.1	13.4	*	7.1	17.6	*
Carotid Endarterectomy	1	0.0	1.6	*	0.0	3.0	*	0.0	4.5	*
Hip Replacement/Reconstruction	42	0.0	2.6	*	0.0	5.1	*	4.8	7.1	*
Open Reduction of Hip Fracture	13	7.7	5.3	*	7.7	9.9	*	23.1	13.0	*
Prostatectomy	11	0.0	1.6	*	0.0	4.0	*	0.0	7.0	*
Cholecystectomy	9	0.0	3.5	*	0.0	6.0	*	22.2	7.8	*
Hysterectomy	11	9.1	2.0	*	9.1	4.7	*	9.1	7.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	920	7.7	8.6	1.4	12.6	13.8	1.7	16.7	17.9	1.8
CONDITIONS:										
Acute Myocardial Infarction	25	24.0	25.6	*	32.0	29.1	*	40.0	33.1	*
Congestive Heart Failure	44	9.1	17.7	*	13.6	27.2	*	22.7	34.9	*
Pneumonia/Influenza	25	24.0	19.4	*	24.0	25.3	*	32.0	30.1	*
Chronic Obstructive Pulmonary Disease	11	18.2	12.3	*	27.3	19.5	*	36.4	24.6	*
Transient Cerebral Ischemia	5	0.0	2.7	*	0.0	5.5	*	0.0	8.7	*
Stroke	21	14.3	18.4	*	28.6	24.2	*	28.6	28.6	*
Hip Fracture	33	3.0	4.8	*	3.0	8.9	*	6.1	11.9	*
Sepsis	3	0.0	23.6	*	0.0	30.1	*	0.0	36.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	2.5	*	11.1	5.3	*	11.1	7.9	*
Carotid Endarterectomy	2	0.0	1.8	*	0.0	3.5	*	0.0	5.2	*
Hip Replacement/Reconstruction	34	2.9	2.7	*	5.9	5.1	*	5.9	6.9	*
Open Reduction of Hip Fracture	14	7.1	4.5	*	7.1	8.8	*	7.1	11.9	*
Prostatectomy	32	3.1	1.6	*	3.1	3.9	*	3.1	6.6	*
Cholecystectomy	13	7.7	4.2	*	15.4	7.9	*	15.4	10.6	*
Hysterectomy	9	0.0	1.1	*	0.0	2.2	*	0.0	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

JOHNSON MEMORIAL HOSPITAL

Chestnut Hill
Stafford Springs, CT 06076

Medicare Provider Number: 070008

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	827	7.9	10.2	1.7	13.5	15.5	2.0	16.7	19.5	2.2
CONDITIONS:										
Acute Myocardial Infarction	34	17.6	26.9	*	23.5	30.4	*	23.5	33.9	*
Congestive Heart Failure	51	13.7	17.9	6.9	21.6	27.2	10.4	25.5	34.3	11.3
Pneumonia/Influenza	39	5.1	17.6	*	15.4	23.8	*	25.6	28.6	*
Chronic Obstructive Pulmonary Disease	11	0.0	4.8	*	0.0	8.7	*	0.0	12.3	*
Transient Cerebral Ischemia	13	0.0	2.2	*	7.7	4.8	*	15.4	7.6	*
Stroke	35	22.9	19.8	*	31.4	27.0	*	34.3	31.6	*
Hip Fracture	25	8.0	7.9	*	20.0	13.7	*	24.0	17.5	*
Sepsis	6	0.0	29.8	*	33.3	37.7	*	33.3	43.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	3.2	*	16.7	7.4	*	16.7	11.3	*
Carotid Endarterectomy	1	0.0	1.1	*	0.0	1.8	*	0.0	2.6	*
Hip Replacement/Reconstruction	8	0.0	5.0	*	0.0	8.8	*	0.0	11.4	*
Open Reduction of Hip Fracture	20	10.0	6.6	*	25.0	12.1	*	30.0	15.6	*
Prostatectomy	17	0.0	1.5	*	0.0	3.7	*	5.9	6.3	*
Cholecystectomy	16	0.0	1.7	*	0.0	3.0	*	0.0	4.2	*
Hysterectomy	1	0.0	0.6	*	0.0	1.1	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	78
Occupancy Rate	82
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	61
Percent of Physicians Board Certified Specialists	82
Medical Residents/Interns	0
Registered Nurses	71
Licensed Practical Nurses	22

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

JOHNSON MEMORIAL HOSPITAL

Medicare Provider Number: 070008

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	754	9.8	9.4	1.5	15.5	14.6	2.0	19.0	18.6	1.8
CONDITIONS:										
Acute Myocardial Infarction	18	16.7	18.2	*	33.3	22.6	*	33.3	26.4	*
Congestive Heart Failure	58	20.7	16.7	5.9	27.6	25.1	6.1	29.3	32.0	6.3
Pneumonia/Influenza	40	15.0	16.3	*	20.0	22.5	*	22.5	27.1	*
Chronic Obstructive Pulmonary Disease	9	0.0	7.1	*	0.0	12.2	*	11.1	16.9	*
Transient Cerebral Ischemia	13	7.7	2.5	*	15.4	5.5	*	15.4	8.6	*
Stroke	22	13.6	20.5	*	27.3	27.0	*	36.4	31.5	*
Hip Fracture	20	0.0	5.8	*	5.0	10.5	*	5.0	13.5	*
Sepsis	7	42.9	27.0	*	57.1	40.5	*	71.4	48.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.2	*	0.0	3.3	*
Hip Replacement/Reconstruction	9	0.0	3.7	*	0.0	7.0	*	0.0	9.2	*
Open Reduction of Hip Fracture	11	0.0	6.2	*	9.1	11.7	*	9.1	15.4	*
Prostatectomy	12	0.0	1.3	*	0.0	3.1	*	8.3	5.2	*
Cholecystectomy	11	0.0	3.4	*	0.0	6.7	*	0.0	9.2	*
Hysterectomy	5	0.0	2.6	*	20.0	5.4	*	20.0	7.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	650	7.8	9.3	2.1	12.3	14.4	2.5	17.2	18.5	2.7
CONDITIONS:										
Acute Myocardial Infarction	29	20.7	23.0	*	27.6	26.5	*	31.0	29.9	*
Congestive Heart Failure	39	10.3	15.6	*	25.6	23.9	*	33.3	31.0	*
Pneumonia/Influenza	34	14.7	19.2	*	23.5	26.2	*	29.4	31.6	*
Chronic Obstructive Pulmonary Disease	13	7.7	6.5	*	7.7	11.8	*	15.4	16.3	*
Transient Cerebral Ischemia	6	0.0	2.0	*	0.0	4.5	*	0.0	7.2	*
Stroke	23	13.0	19.1	*	21.7	25.4	*	21.7	29.8	*
Hip Fracture	14	7.1	8.0	*	7.1	14.0	*	7.1	18.0	*
Sepsis	3	0.0	18.0	*	0.0	23.9	*	0.0	29.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	1.9	*	12.5	4.3	*	25.0	6.8	*
Carotid Endarterectomy	2	0.0	2.2	*	0.0	3.9	*	0.0	5.5	*
Hip Replacement/Reconstruction	9	0.0	5.4	*	0.0	9.6	*	0.0	12.6	*
Open Reduction of Hip Fracture	9	11.1	6.3	*	11.1	12.0	*	11.1	15.9	*
Prostatectomy	22	0.0	1.8	*	4.5	4.5	*	4.5	7.6	*
Cholecystectomy	13	0.0	3.0	*	0.0	5.5	*	0.0	7.5	*
Hysterectomy	5	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LAWRENCE & MEMORIAL HOSPITAL

365 Montauk Ave
New London, CT 06320

Medicare Provider Number: 070007

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,545	10.4	10.1	0.7	15.5	15.2	0.8	19.8	19.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	85	35.3	26.8	7.4	38.8	29.9	7.4	41.2	33.3	7.4
Congestive Heart Failure	166	16.3	15.6	4.2	27.7	23.8	4.6	33.7	30.6	5.4
Pneumonia/Influenza	123	17.1	18.4	3.7	26.0	24.6	4.0	34.1	29.5	5.4
Chronic Obstructive Pulmonary Disease	23	4.3	8.1	*	17.4	14.6	*	17.4	20.3	*
Transient Cerebral Ischemia	24	0.0	2.0	*	4.2	4.2	*	8.3	6.5	*
Stroke	112	21.4	20.7	4.1	26.8	27.3	4.3	26.8	31.7	6.3
Hip Fracture	81	2.5	6.2	3.8	4.9	11.2	5.6	8.6	14.5	5.7
Sepsis	15	6.7	29.6	*	20.0	37.9	*	20.0	44.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	0.0	2.4	*	5.3	5.1	*	10.5	7.8	*
Carotid Endarterectomy	6	0.0	1.3	*	0.0	2.6	*	0.0	4.1	*
Hip Replacement/Reconstruction	68	1.5	2.7	2.2	4.4	5.0	2.7	5.9	6.7	3.7
Open Reduction of Hip Fracture	40	2.5	5.3	*	5.0	10.0	*	7.5	13.3	*
Prostatectomy	86	0.0	1.4	1.6	0.0	2.7	2.6	1.2	4.1	2.8
Cholecystectomy	39	0.0	2.6	*	2.6	4.2	*	2.6	5.4	*
Hysterectomy	10	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	285
Occupancy Rate	78
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	244
Percent of Physicians Board Certified Specialists	84
Medical Residents/Interns	0
Registered Nurses	270
Licensed Practical Nurses	82

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

LAWRENCE & MEMORIAL HOSPITAL

Medicare Provider Number: 070007

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,753	9.8	10.1	0.6	15.0	15.0	0.7	18.0	18.7	0.9
CONDITIONS:										
Acute Myocardial Infarction	115	33.0	30.4	4.5	35.7	33.8	4.8	35.7	37.4	4.9
Congestive Heart Failure	146	18.5	15.7	4.2	24.0	23.6	4.2	30.8	30.2	4.2
Pneumonia/Influenza	129	16.3	18.8	3.7	29.5	25.2	4.4	33.3	30.0	4.3
Chronic Obstructive Pulmonary Disease	20	5.0	7.4	*	15.0	12.4	*	20.0	16.7	*
Transient Cerebral Ischemia	37	0.0	1.7	*	2.7	3.6	*	2.7	5.7	*
Stroke	110	21.8	22.2	4.0	30.9	29.1	4.6	39.1	33.7	7.1
Hip Fracture	88	4.5	6.9	3.4	9.1	12.7	5.6	11.4	16.5	5.4
Sepsis	38	23.7	29.7	*	31.6	35.7	*	31.6	41.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	4.8	7.1	*	9.5	10.9	*	9.5	14.4	*
Carotid Endarterectomy	8	0.0	1.1	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	49	2.0	3.2	*	4.1	6.3	*	10.2	8.6	*
Open Reduction of Hip Fracture	43	4.7	6.5	*	9.3	12.5	*	9.3	16.4	*
Prostatectomy	82	1.2	0.7	1.0	1.2	1.6	1.4	2.4	2.6	1.8
Cholecystectomy	42	0.0	2.7	*	2.4	4.6	*	4.8	5.9	*
Hysterectomy	26	0.0	0.6	*	0.0	1.2	*	0.0	1.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,527	10.1	10.2	0.7	15.9	15.3	0.9	19.5	19.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	107	30.8	31.0	4.5	33.6	34.7	5.2	33.6	38.7	5.5
Congestive Heart Failure	118	12.7	16.4	4.6	25.4	24.5	4.1	30.5	31.3	4.4
Pneumonia/Influenza	121	17.4	18.4	4.6	24.0	24.9	4.3	31.4	30.2	4.9
Chronic Obstructive Pulmonary Disease	41	9.8	8.7	*	22.0	15.2	*	22.0	20.3	*
Transient Cerebral Ischemia	35	0.0	1.8	*	2.9	3.8	*	8.6	5.9	*
Stroke	103	18.4	22.4	6.0	25.2	28.8	7.8	27.2	33.3	8.9
Hip Fracture	75	12.0	6.7	5.7	18.7	12.4	6.1	20.0	16.3	5.3
Sepsis	29	20.7	32.9	*	34.5	39.6	*	41.4	45.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	2.4	*	0.0	4.7	*	0.0	7.0	*
Carotid Endarterectomy	2	0.0	2.9	*	0.0	6.5	*	0.0	9.7	*
Hip Replacement/Reconstruction	45	4.4	2.1	*	4.4	4.0	*	4.4	5.4	*
Open Reduction of Hip Fracture	50	8.0	6.3	*	18.0	12.1	*	20.0	16.2	*
Prostatectomy	103	1.0	1.3	1.3	3.9	3.3	1.9	6.8	5.4	2.8
Cholecystectomy	56	5.4	2.7	3.0	5.4	4.6	2.9	5.4	5.8	3.2
Hysterectomy	11	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MANCHESTER MEMORIAL HOSPITAL

71 Haynes St
Manchester, CT 06040

Medicare Provider Number: 070027

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,228	9.2	10.4	0.9	14.9	15.7	1.1	19.0	19.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	96	15.6	25.6	6.2	20.8	28.8	6.0	22.9	32.2	6.0
Congestive Heart Failure	127	22.0	18.7	5.2	33.9	28.1	7.7	40.9	35.4	8.8
Pneumonia/Influenza	88	14.8	19.1	6.2	25.0	25.4	7.6	26.1	30.5	7.4
Chronic Obstructive Pulmonary Disease	28	3.6	12.4	*	14.3	18.4	*	25.0	23.4	*
Transient Cerebral Ischemia	28	0.0	2.1	*	3.6	4.6	*	10.7	7.3	*
Stroke	73	16.4	23.4	6.8	27.4	30.0	5.6	30.1	34.5	6.8
Hip Fracture	69	1.4	8.0	6.4	10.1	13.6	7.8	11.6	17.2	8.4
Sepsis	20	20.0	31.1	*	25.0	39.8	*	35.0	45.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	28	3.6	7.6	*	7.1	11.4	*	21.4	14.5	*
Carotid Endarterectomy	11	9.1	1.6	*	9.1	2.9	*	9.1	4.2	*
Hip Replacement/Reconstruction	53	0.0	4.8	4.9	7.5	8.9	5.8	7.5	12.0	6.4
Open Reduction of Hip Fracture	32	3.1	7.7	*	12.5	13.6	*	15.6	17.5	*
Prostatectomy	65	0.0	1.0	2.9	3.1	2.5	3.1	4.6	4.2	3.7
Cholecystectomy	47	2.1	2.9	*	8.5	5.0	*	10.6	6.4	*
Hysterectomy	24	4.2	0.7	*	4.2	1.5	*	4.2	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	303
Occupancy Rate	59
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	137
Percent of Physicians Board Certified Specialists	74
Medical Residents/Interns	0
Registered Nurses	199
Licensed Practical Nurses	56

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MANCHESTER MEMORIAL HOSPITAL

Medicare Provider Number: 070027

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,165	9.7	11.8	0.9	14.9	17.2	1.1	18.6	21.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	92	19.6	30.1	8.6	25.0	33.6	8.8	28.3	37.5	8.7
Congestive Heart Failure	117	10.3	18.1	5.0	26.5	27.1	4.4	31.6	34.3	4.7
Pneumonia/Influenza	96	28.1	24.7	5.3	31.2	32.3	5.7	39.6	37.9	5.3
Chronic Obstructive Pulmonary Disease	30	3.3	10.5	*	13.3	16.5	*	13.3	21.5	*
Transient Cerebral Ischemia	26	0.0	2.6	*	3.8	5.9	*	7.7	9.4	*
Stroke	87	20.7	24.6	7.8	24.1	31.1	10.1	28.7	35.8	11.0
Hip Fracture	61	8.2	11.4	4.9	18.0	19.6	6.6	19.7	24.2	9.8
Sepsis	27	14.8	37.1	*	25.9	45.6	*	25.9	51.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	12.0	7.4	*	16.0	12.7	*	24.0	17.1	*
Carotid Endarterectomy	4	0.0	1.7	*	0.0	3.2	*	0.0	4.5	*
Hip Replacement/Reconstruction	47	4.3	6.2	*	14.9	11.1	*	14.9	14.1	*
Open Reduction of Hip Fracture	31	6.5	9.6	*	9.7	17.3	*	12.9	21.9	*
Prostatectomy	75	1.3	1.3	2.3	5.3	3.1	3.1	6.7	5.1	3.8
Cholecystectomy	37	2.7	2.8	*	2.7	4.9	*	8.1	6.3	*
Hysterectomy	18	0.0	0.9	*	0.0	1.9	*	0.0	2.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,071	9.9	11.2	0.9	15.1	16.6	1.1	19.3	20.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	93	21.5	30.4	6.7	23.7	34.1	7.3	25.8	37.8	7.8
Congestive Heart Failure	119	16.0	17.9	4.6	28.6	26.6	4.4	36.1	33.7	5.0
Pneumonia/Influenza	84	14.3	21.4	7.0	21.4	28.2	6.4	29.8	33.6	5.7
Chronic Obstructive Pulmonary Disease	28	25.0	13.4	*	28.6	21.1	*	32.1	26.9	*
Transient Cerebral Ischemia	28	0.0	2.4	*	0.0	5.1	*	0.0	7.9	*
Stroke	91	29.7	26.8	5.2	35.2	34.3	5.4	38.5	39.4	6.6
Hip Fracture	52	5.8	9.5	4.9	9.6	16.3	7.9	11.5	20.4	9.8
Sepsis	30	26.7	25.1	*	33.3	34.2	*	33.3	40.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	30	0.0	4.0	*	3.3	7.3	*	6.7	10.4	*
Carotid Endarterectomy	6	33.3	2.4	*	33.3	4.8	*	50.0	7.0	*
Hip Replacement/Reconstruction	29	0.0	3.4	*	0.0	6.3	*	3.4	8.2	*
Open Reduction of Hip Fracture	31	3.2	9.2	*	6.5	16.6	*	6.5	21.2	*
Prostatectomy	61	0.0	1.8	2.2	4.9	4.4	3.0	6.6	7.3	3.4
Cholecystectomy	42	0.0	2.2	*	0.0	3.5	*	0.0	4.5	*
Hysterectomy	17	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MIDDLESEX MEMORIAL HOSPITAL

28 Crescent St
Middletown, CT 06457

Medicare Provider Number: 070020

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,023	11.9	11.4	0.9	17.1	16.9	1.0	20.4	21.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	131	30.5	28.0	4.8	34.4	31.3	5.2	37.4	34.8	4.8
Congestive Heart Failure	157	22.3	16.4	4.8	30.6	25.3	4.6	36.3	32.5	4.6
Pneumonia/Influenza	154	22.1	18.0	4.2	29.9	24.4	4.8	35.7	29.5	5.1
Chronic Obstructive Pulmonary Disease	24	12.5	8.2	*	16.7	13.7	*	20.8	18.3	*
Transient Cerebral Ischemia	30	0.0	2.4	*	3.3	5.2	*	13.3	8.0	*
Stroke	119	23.5	19.8	6.5	28.6	26.6	7.9	29.4	31.0	8.9
Hip Fracture	114	7.0	7.2	2.6	11.4	12.5	3.7	14.9	15.9	3.6
Sepsis	44	20.5	23.3	*	27.3	30.2	*	34.1	35.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	31	3.2	4.1	*	9.7	7.8	*	9.7	11.4	*
Carotid Endarterectomy	21	4.8	1.7	*	4.8	2.9	*	4.8	4.3	*
Hip Replacement/Reconstruction	69	5.8	4.1	3.7	8.7	7.8	3.5	11.6	10.5	4.1
Open Reduction of Hip Fracture	74	4.1	6.5	4.2	8.1	11.8	6.1	12.2	15.3	5.2
Prostatectomy	119	1.7	2.2	1.7	3.4	5.2	2.8	3.4	8.6	4.4
Cholecystectomy	75	1.3	3.6	2.7	2.7	6.3	4.0	2.7	8.1	4.7
Hysterectomy	30	3.3	1.2	*	3.3	2.1	*	3.3	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	269
Occupancy Rate	78
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	192
Percent of Physicians Board Certified Specialists	74
Medical Residents/Interns	22
Registered Nurses	308
Licensed Practical Nurses	51

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MIDDLESEX MEMORIAL HOSPITAL
Medicare Provider Number: 070020

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,061	11.7	11.5	0.7	16.7	17.0	0.9	20.1	21.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	128	21.1	27.8	7.5	26.6	31.0	6.8	30.5	34.4	5.3
Congestive Heart Failure	164	16.5	17.0	3.0	22.6	25.5	3.7	26.8	32.4	5.1
Pneumonia/Influenza	183	22.4	22.1	3.1	31.7	29.0	4.0	39.3	34.3	4.9
Chronic Obstructive Pulmonary Disease	23	0.0	6.9	*	8.7	11.9	*	8.7	16.4	*
Transient Cerebral Ischemia	36	0.0	2.0	*	5.6	4.4	*	5.6	7.0	*
Stroke	119	21.0	22.4	5.4	26.1	28.9	7.6	29.4	33.5	8.0
Hip Fracture	107	4.7	8.3	3.3	10.3	14.4	3.9	16.8	18.2	3.8
Sepsis	33	36.4	25.7	*	39.4	33.6	*	45.5	39.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	36	2.8	7.3	*	2.8	11.0	*	2.8	14.6	*
Carotid Endarterectomy	16	0.0	1.6	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	69	2.9	5.5	4.9	5.8	9.8	6.6	8.7	12.6	6.6
Open Reduction of Hip Fracture	66	3.0	6.8	3.6	9.1	12.4	4.4	16.7	15.9	4.6
Prostatectomy	133	0.8	1.3	1.1	4.5	3.1	1.9	5.3	5.2	2.4
Cholecystectomy	67	0.0	3.2	3.1	1.5	5.6	4.2	1.5	7.3	5.1
Hysterectomy	40	2.5	2.6	*	7.5	4.8	*	10.0	6.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,805	12.3	11.0	0.9	16.9	16.4	0.7	21.0	20.6	0.8
CONDITIONS:										
Acute Myocardial Infarction	120	37.5	32.4	6.0	40.8	36.3	6.5	46.7	40.2	7.5
Congestive Heart Failure	148	16.2	17.8	3.9	25.0	26.4	6.1	31.1	33.4	5.9
Pneumonia/Influenza	146	17.1	18.7	4.0	26.0	25.0	4.3	29.5	30.2	3.9
Chronic Obstructive Pulmonary Disease	32	15.6	10.4	*	18.8	16.4	*	25.0	21.3	*
Transient Cerebral Ischemia	38	5.3	2.1	*	7.9	4.4	*	7.9	6.9	*
Stroke	115	28.7	24.6	5.7	31.3	31.0	4.7	37.4	35.7	4.7
Hip Fracture	100	6.0	8.3	3.7	9.0	14.6	5.6	11.0	18.5	6.1
Sepsis	45	40.0	30.1	*	44.4	38.7	*	53.3	45.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	4.8	6.5	*	9.5	10.7	*	19.0	13.9	*
Carotid Endarterectomy	24	0.0	1.9	*	4.2	3.6	*	8.3	5.4	*
Hip Replacement/Reconstruction	74	8.1	5.7	4.9	10.8	10.5	6.5	10.8	13.6	7.5
Open Reduction of Hip Fracture	55	1.8	7.5	6.2	3.6	13.8	9.7	7.3	17.8	9.3
Prostatectomy	108	1.9	1.5	1.2	3.7	3.4	2.4	6.5	5.5	3.6
Cholecystectomy	61	0.0	3.1	*	0.0	5.1	*	0.0	6.3	*
Hysterectomy	23	0.0	1.0	*	0.0	1.8	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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mmh Middlesex Memorial Hospital

28 Crescent Street
Middletown, CT 06457
(203) 347-9471

January 15, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

We have reviewed the mortality data distributed by the Health Care Financing Administration (HCFA) on December 6, 1990. We have also reviewed instructions provided by HCFA and by the American Hospital Association related to the significance of mortality data and guidelines for further investigation. Based on those guidelines, Middlesex Hospital did not have any significant problems with the 144 hospital-specific mortality rates compiled by HCFA.

Middlesex Hospital continues to have a strong commitment to ensuring that high quality care is provided by employees and by members of its medical staff. Our internal quality assurance program encompasses all clinical services provided by the hospital and its affiliated outpatient facilities. Quality problems identified by those responsible for the program receive thorough peer review. Corrective action and follow-up to ensure that the identified problems are resolved are an integral part of the program. This commitment to quality assurance is evidenced by the hospital's participation in the Joint Commission on Accreditation of Health Care Organization's (JCAHO) beta testing program, the Connecticut Hospital Association's *Toward Excellence in Care* program, and by the extremely positive quality assurance scores received following our JCAHO survey of July 1990.

Thank you for the opportunity to comment on the data before releasing it to the public.

Sincerely,

Michael W. Rumery
Vice President, Administration

at Southwinds
The Shoreline Clinic
Route 153, Essex, CT 06426
(203) 767-0107

Middlesex Medical Center
at Cromwell Commons
136 Berlin Road, Cromwell, CT 06416
(203) 635-4323

MILFORD HOSPITAL

2047 Bridgeport Ave
Milford, CT 06460

Medicare Provider Number: 070019

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,149	9.3	9.8	0.9	14.4	14.7	1.5	17.1	18.6	1.8
CONDITIONS:										
Acute Myocardial Infarction	32	18.8	23.8	*	18.8	26.2	*	21.9	29.0	*
Congestive Heart Failure	70	15.7	15.8	5.3	28.6	24.0	6.6	28.6	30.9	6.3
Pneumonia/Influenza	53	9.4	15.8	9.2	17.0	21.5	12.4	17.0	26.0	12.2
Chronic Obstructive Pulmonary Disease	20	10.0	5.3	*	25.0	9.7	*	25.0	13.8	*
Transient Cerebral Ischemia	30	3.3	1.8	*	3.3	4.1	*	3.3	6.7	*
Stroke	59	23.7	19.1	6.0	25.4	25.0	5.7	27.1	29.2	6.1
Hip Fracture	36	2.8	6.4	*	8.3	11.7	*	11.1	15.4	*
Sepsis	15	40.0	29.4	*	46.7	37.4	*	46.7	44.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	5.2	*	0.0	8.2	*	11.1	10.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	0.0	3.6	*	7.1	6.5	*	7.1	8.5	*
Open Reduction of Hip Fracture	11	9.1	5.5	*	9.1	11.0	*	9.1	14.9	*
Prostatectomy	47	0.0	1.1	*	0.0	2.7	*	6.4	4.6	*
Cholecystectomy	18	0.0	3.2	*	5.6	6.0	*	5.6	7.8	*
Hysterectomy	1	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	149
Occupancy Rate	60
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	79
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	0
Registered Nurses	144
Licensed Practical Nurses	12

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MILFORD HOSPITAL

Medicare Provider Number: 070019

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,199	11.3	10.1	1.3	16.0	15.3	1.3	19.1	19.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	40	25.0	26.1	*	25.0	30.0	*	25.0	33.4	*
Congestive Heart Failure	78	15.4	16.7	4.4	23.1	25.1	5.5	29.5	32.1	5.8
Pneumonia/Influenza	54	24.1	19.3	6.1	33.3	25.7	7.2	38.9	30.6	8.2
Chronic Obstructive Pulmonary Disease	18	5.6	8.0	*	16.7	13.2	*	27.8	17.8	*
Transient Cerebral Ischemia	24	0.0	1.7	*	4.2	3.8	*	4.2	5.9	*
Stroke	54	22.2	20.7	5.8	27.8	26.4	6.6	29.6	30.6	8.0
Hip Fracture	30	3.3	5.3	*	10.0	10.0	*	13.3	13.2	*
Sepsis	4	75.0	35.2	*	75.0	44.7	*	75.0	51.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	3.5	*	16.7	6.0	*	16.7	8.4	*
Carotid Endarterectomy	1	0.0	1.5	*	0.0	2.8	*	0.0	4.2	*
Hip Replacement/Reconstruction	7	0.0	2.7	*	0.0	5.5	*	0.0	7.7	*
Open Reduction of Hip Fracture	12	8.3	5.7	*	25.0	11.0	*	25.0	14.7	*
Prostatectomy	43	0.0	1.8	*	0.0	3.8	*	0.0	5.9	*
Cholecystectomy	17	11.8	4.8	*	11.8	9.3	*	17.6	12.3	*
Hysterectomy	9	0.0	1.6	*	0.0	3.5	*	11.1	5.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,086	9.8	10.7	1.5	14.6	15.7	1.4	19.2	19.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	42	21.4	29.7	*	26.2	32.7	*	28.6	36.1	*
Congestive Heart Failure	70	15.7	18.6	6.3	25.7	26.9	5.5	35.7	33.8	5.9
Pneumonia/Influenza	56	17.9	17.3	5.1	21.4	23.1	5.8	26.8	28.0	6.1
Chronic Obstructive Pulmonary Disease	18	5.6	9.7	*	5.6	16.7	*	5.6	21.9	*
Transient Cerebral Ischemia	22	0.0	2.1	*	4.5	4.6	*	13.6	7.4	*
Stroke	46	19.6	21.2	*	30.4	28.0	*	32.6	32.9	*
Hip Fracture	35	5.7	6.4	*	14.3	11.9	*	20.0	15.7	*
Sepsis	19	26.3	28.4	*	31.6	34.6	*	36.8	40.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	2.8	*	16.7	5.7	*	16.7	8.5	*
Carotid Endarterectomy	2	0.0	1.8	*	0.0	3.5	*	0.0	4.9	*
Hip Replacement/Reconstruction	14	0.0	3.1	*	0.0	5.9	*	0.0	7.9	*
Open Reduction of Hip Fracture	7	14.3	5.5	*	28.6	10.7	*	28.6	14.2	*
Prostatectomy	31	0.0	1.9	*	0.0	4.2	*	3.2	6.6	*
Cholecystectomy	25	0.0	4.5	*	0.0	8.5	*	0.0	11.0	*
Hysterectomy	4	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MT SINAI HOSPITAL

500 Blue Hills Ave
Hartford, CT 06101

Medicare Provider Number: 070013

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,705	9.3	10.0	0.8	15.7	15.4	1.0	20.1	19.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	58	29.3	27.8	6.9	36.2	31.7	7.6	37.9	35.2	7.3
Congestive Heart Failure	99	15.2	17.1	7.9	20.2	25.4	8.2	28.3	32.4	9.4
Pneumonia/Influenza	72	15.3	16.4	4.5	23.6	22.3	5.1	29.2	26.8	5.6
Chronic Obstructive Pulmonary Disease	14	21.4	6.5	*	35.7	13.4	*	42.9	20.3	*
Transient Cerebral Ischemia	24	4.2	2.1	*	4.2	4.7	*	12.5	7.5	*
Stroke	55	27.3	20.0	8.1	34.5	26.9	9.5	36.4	31.2	9.3
Hip Fracture	61	4.9	7.1	3.9	11.5	12.8	4.5	16.4	16.7	5.1
Sepsis	11	54.5	32.6	*	72.7	39.9	*	81.8	46.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	5.9	*	0.0	10.7	*	0.0	14.6	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.2	*	0.0	3.4	*
Hip Replacement/Reconstruction	25	4.0	2.5	*	4.0	4.9	*	8.0	6.6	*
Open Reduction of Hip Fracture	39	5.1	7.1	*	10.3	13.2	*	12.8	17.3	*
Prostatectomy	84	1.2	1.7	1.7	2.4	3.7	2.7	6.0	6.0	3.9
Cholecystectomy	21	9.5	4.7	*	9.5	8.0	*	9.5	10.3	*
Hysterectomy	21	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	211
Occupancy Rate	62
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	219
Percent of Physicians Board Certified Specialists	74
Medical Residents/Interns	33
Registered Nurses	268
Licensed Practical Nurses	22

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MT SINAI HOSPITAL

Medicare Provider Number: 070013

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,806	9.7	12.0	1.1	14.9	18.7	1.0	19.4	23.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	45	26.7	34.5	*	31.1	39.2	*	31.1	43.4	*
Congestive Heart Failure	96	18.8	22.6	5.2	29.2	33.1	5.3	35.4	41.3	6.6
Pneumonia/Influenza	66	16.7	19.7	7.7	24.2	26.2	8.4	27.3	31.1	7.2
Chronic Obstructive Pulmonary Disease	13	7.7	9.2	*	15.4	16.5	*	23.1	22.9	*
Transient Cerebral Ischemia	12	0.0	2.4	*	0.0	5.1	*	0.0	7.8	*
Stroke	71	25.4	22.1	6.9	26.8	29.7	7.7	31.0	34.5	10.3
Hip Fracture	57	7.0	7.7	3.9	14.0	14.0	4.9	15.8	18.0	6.3
Sepsis	11	36.4	28.2	*	45.5	35.9	*	54.5	42.2	*
PROCEDURES:										
Angioplasty	1	0.0	21.6	*	100.0	36.7	*	100.0	46.8	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	23.1	8.0	*	23.1	14.6	*	23.1	20.5	*
Carotid Endarterectomy	2	0.0	2.4	*	0.0	4.5	*	0.0	6.4	*
Hip Replacement/Reconstruction	42	0.0	3.5	*	0.0	6.8	*	0.0	9.2	*
Open Reduction of Hip Fracture	26	3.8	6.6	*	11.5	12.7	*	11.5	16.8	*
Prostatectomy	98	2.0	1.3	1.3	2.0	3.6	2.2	3.1	6.3	3.4
Cholecystectomy	15	6.7	5.4	*	6.7	11.2	*	6.7	16.0	*
Hysterectomy	10	0.0	0.7	*	0.0	1.6	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,813	9.3	12.0	0.8	15.9	18.8	1.3	19.0	24.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	56	41.1	35.8	6.9	44.6	40.7	7.3	44.6	45.2	7.6
Congestive Heart Failure	111	9.0	23.2	5.4	19.8	33.9	6.5	27.0	42.5	6.5
Pneumonia/Influenza	72	23.6	23.1	5.0	33.3	30.6	5.9	43.1	36.2	8.6
Chronic Obstructive Pulmonary Disease	28	10.7	9.9	*	21.4	17.8	*	25.0	24.3	*
Transient Cerebral Ischemia	23	0.0	2.9	*	0.0	6.6	*	4.3	10.2	*
Stroke	50	30.0	23.6	*	34.0	32.1	*	36.0	37.1	*
Hip Fracture	47	2.1	8.6	*	8.5	14.9	*	8.5	18.9	*
Sepsis	16	18.8	26.8	*	31.3	37.0	*	31.3	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	0.0	4.0	*	0.0	8.3	*	0.0	12.4	*
Carotid Endarterectomy	2	0.0	3.5	*	0.0	7.5	*	0.0	10.4	*
Hip Replacement/Reconstruction	27	0.0	3.8	*	3.7	7.4	*	7.4	10.2	*
Open Reduction of Hip Fracture	30	3.3	7.6	*	10.0	13.7	*	10.0	17.7	*
Prostatectomy	80	1.2	1.6	1.6	3.8	4.4	2.9	6.3	7.6	3.7
Cholecystectomy	32	3.1	4.3	*	6.3	7.4	*	6.3	9.7	*
Hysterectomy	14	0.0	1.2	*	0.0	2.9	*	0.0	4.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NEW BRITAIN GENERAL HOSPITAL

100 Grand St
New Britain, CT 06050

Medicare Provider Number: 070035

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,352	9.0	9.9	0.6	13.7	15.1	0.8	17.5	19.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	128	23.4	24.6	4.5	28.9	28.4	5.7	30.5	32.0	5.1
Congestive Heart Failure	187	14.4	17.2	4.4	24.1	26.3	3.7	31.0	33.4	3.9
Pneumonia/Influenza	161	18.6	21.6	4.7	26.1	28.7	4.9	28.6	34.0	6.8
Chronic Obstructive Pulmonary Disease	12	8.3	7.0	*	16.7	11.6	*	16.7	15.9	*
Transient Cerebral Ischemia	26	0.0	2.0	*	0.0	4.4	*	0.0	6.9	*
Stroke	141	23.4	21.4	6.3	29.8	28.5	5.3	33.3	33.1	4.4
Hip Fracture	82	7.3	7.7	3.0	13.4	13.8	4.1	15.9	17.8	5.5
Sepsis	29	37.9	37.6	*	48.3	45.9	*	58.6	53.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	38	0.0	3.3	*	0.0	6.2	*	0.0	8.8	*
Carotid Endarterectomy	5	0.0	1.9	*	0.0	3.9	*	0.0	5.8	*
Hip Replacement/Reconstruction	57	3.5	2.6	2.2	3.5	4.9	3.2	5.3	6.5	3.9
Open Reduction of Hip Fracture	55	5.5	7.4	4.0	12.7	13.8	6.0	14.5	18.0	7.7
Prostatectomy	121	0.8	1.5	1.2	2.5	3.0	1.6	3.3	4.7	2.0
Cholecystectomy	71	1.4	2.5	2.1	2.8	4.1	2.7	2.8	5.1	3.3
Hysterectomy	33	3.0	0.8	*	3.0	1.7	*	3.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	339
Occupancy Rate	84
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	234
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	39
Registered Nurses	364
Licensed Practical Nurses	36

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

NEW BRITAIN GENERAL HOSPITAL

Medicare Provider Number: 070035

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,457	8.8	10.4	0.6	13.5	15.6	0.8	17.2	19.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	137	30.7	29.8	4.0	33.6	33.5	4.0	38.0	37.1	4.2
Congestive Heart Failure	191	13.1	17.0	4.2	20.9	25.6	4.6	25.7	32.5	5.6
Pneumonia/Influenza	172	16.9	19.6	4.7	23.3	26.1	4.6	30.8	31.1	3.6
Chronic Obstructive Pulmonary Disease	13	7.7	11.0	*	7.7	17.3	*	7.7	22.3	*
Transient Cerebral Ischemia	36	0.0	1.8	*	2.8	3.8	*	5.6	6.0	*
Stroke	141	14.2	21.6	4.7	18.4	28.7	5.7	22.7	33.2	5.7
Hip Fracture	84	3.6	7.3	3.8	7.1	13.1	6.0	9.5	16.8	6.3
Sepsis	18	22.2	33.5	*	33.3	43.6	*	38.9	50.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	8.7	9.0	*	13.0	13.3	*	13.0	16.7	*
Carotid Endarterectomy	7	0.0	1.7	*	0.0	3.3	*	0.0	4.8	*
Hip Replacement/Reconstruction	57	1.8	3.7	3.1	3.5	7.1	5.5	3.5	9.3	6.5
Open Reduction of Hip Fracture	52	3.8	6.3	3.9	5.8	11.7	6.7	9.6	15.3	6.9
Prostatectomy	148	0.7	1.3	1.3	3.4	3.0	1.6	4.1	4.8	2.1
Cholecystectomy	68	1.5	3.2	2.4	1.5	5.6	3.6	2.9	7.4	4.3
Hysterectomy	34	5.9	1.0	*	5.9	2.2	*	5.9	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,335	9.3	10.2	0.6	14.1	15.3	0.9	17.2	19.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	131	24.4	27.5	7.0	26.0	31.0	6.9	29.0	34.4	7.4
Congestive Heart Failure	164	11.6	19.0	3.8	19.5	28.1	4.9	25.0	35.3	5.3
Pneumonia/Influenza	127	16.5	20.7	5.9	24.4	27.5	7.4	29.1	32.8	7.8
Chronic Obstructive Pulmonary Disease	27	22.2	14.1	*	22.2	21.4	*	37.0	26.7	*
Transient Cerebral Ischemia	34	0.0	2.8	*	2.9	6.2	*	2.9	9.7	*
Stroke	147	19.0	25.7	4.5	23.8	33.5	5.7	27.2	38.3	5.6
Hip Fracture	87	10.3	8.1	3.5	14.9	14.4	3.8	17.2	18.2	4.8
Sepsis	28	17.9	33.1	*	28.6	39.9	*	39.3	46.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	40	7.5	4.4	*	15.0	8.7	*	17.5	12.4	*
Carotid Endarterectomy	5	0.0	1.2	*	20.0	2.0	*	20.0	2.8	*
Hip Replacement/Reconstruction	62	4.8	5.6	3.3	8.1	10.4	4.7	11.3	13.3	5.8
Open Reduction of Hip Fracture	48	8.3	6.2	*	14.6	11.5	*	16.7	15.0	*
Prostatectomy	136	0.7	1.6	1.3	2.9	3.7	2.0	5.1	6.1	2.6
Cholecystectomy	83	1.2	3.3	3.0	3.6	5.7	4.4	3.6	7.4	4.7
Hysterectomy	40	2.5	0.9	*	5.0	2.1	*	5.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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New Britain General

New Britain
General Hospital

100 Grand Street
New Britain
Connecticut 06050
203/224-5011

Laurence A. Tanner
President

January 15, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Please be advised that we have found two errors in the Mortality Rate Report. Two persons which the report lists as deceased are indeed alive.

Please do not hesitate to call me if you have any questions.

Sincerely,

John J. Lyons, Jr.
Vice President Management Services

/gmc

NEW MILFORD HOSPITAL

21 Elm St
New Milford, CT 06776

Medicare Provider Number: 070015

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	792	8.1	8.9	1.1	12.2	13.8	1.6	16.3	17.7	1.6
CONDITIONS:										
Acute Myocardial Infarction	15	33.3	19.9	*	33.3	24.1	*	40.0	27.8	*
Congestive Heart Failure	28	14.3	15.7	*	17.9	23.9	*	17.9	30.8	*
Pneumonia/Influenza	39	17.9	15.6	*	28.2	22.9	*	38.5	28.0	*
Chronic Obstructive Pulmonary Disease	12	8.3	8.1	*	8.3	14.4	*	8.3	19.9	*
Transient Cerebral Ischemia	12	0.0	2.4	*	0.0	5.9	*	0.0	9.4	*
Stroke	38	18.4	22.3	*	26.3	30.3	*	34.2	35.1	*
Hip Fracture	32	0.0	5.4	*	3.1	9.8	*	6.3	12.8	*
Sepsis	8	37.5	28.3	*	37.5	40.9	*	50.0	50.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	1.8	*	0.0	3.8	*	0.0	5.9	*
Carotid Endarterectomy	1	0.0	1.6	*	0.0	3.5	*	0.0	5.0	*
Hip Replacement/Reconstruction	21	0.0	3.0	*	0.0	5.7	*	0.0	7.8	*
Open Reduction of Hip Fracture	15	0.0	6.0	*	6.7	11.3	*	13.3	14.9	*
Prostatectomy	35	2.9	1.0	*	5.7	2.4	*	5.7	4.2	*
Cholecystectomy	19	0.0	2.9	*	0.0	4.5	*	0.0	5.6	*
Hysterectomy	6	0.0	0.6	*	0.0	1.1	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	85
Occupancy Rate	61
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	0
Registered Nurses	91
Licensed Practical Nurses	11

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NEW MILFORD HOSPITAL

Medicare Provider Number: 070015

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	876	8.1	8.9	1.3	13.4	13.7	1.5	16.0	17.5	2.0
CONDITIONS:										
Acute Myocardial Infarction	28	35.7	21.5	*	39.3	26.4	*	39.3	30.7	*
Congestive Heart Failure	39	17.9	16.7	*	25.6	26.2	*	30.8	33.6	*
Pneumonia/Influenza	38	15.8	16.8	*	15.8	23.7	*	21.1	28.9	*
Chronic Obstructive Pulmonary Disease	11	18.2	7.8	*	45.5	13.5	*	54.5	18.6	*
Transient Cerebral Ischemia	13	0.0	2.2	*	7.7	5.1	*	7.7	8.2	*
Stroke	30	16.7	20.9	*	20.0	27.2	*	20.0	31.8	*
Hip Fracture	27	3.7	6.3	*	11.1	11.7	*	18.5	15.1	*
Sepsis	6	33.3	31.7	*	50.0	38.8	*	50.0	44.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.8	*	0.0	5.0	*	0.0	7.3	*
Carotid Endarterectomy	1	0.0	0.8	*	0.0	1.4	*	0.0	2.0	*
Hip Replacement/Reconstruction	10	0.0	3.7	*	10.0	7.2	*	10.0	9.6	*
Open Reduction of Hip Fracture	17	5.9	6.0	*	11.8	11.6	*	17.6	15.4	*
Prostatectomy	32	0.0	1.8	*	3.1	4.2	*	6.3	6.4	*
Cholecystectomy	20	0.0	1.6	*	0.0	3.0	*	0.0	3.9	*
Hysterectomy	9	0.0	1.9	*	0.0	2.9	*	0.0	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	828	7.1	8.7	1.5	11.0	13.6	1.7	14.9	17.5	1.8
CONDITIONS:										
Acute Myocardial Infarction	22	9.1	24.5	*	13.6	28.0	*	18.2	31.5	*
Congestive Heart Failure	37	8.1	14.4	*	10.8	22.2	*	16.2	28.8	*
Pneumonia/Influenza	44	9.1	13.9	*	13.6	19.2	*	18.2	23.7	*
Chronic Obstructive Pulmonary Disease	10	10.0	13.2	*	10.0	21.6	*	20.0	27.3	*
Transient Cerebral Ischemia	17	0.0	1.9	*	5.9	4.1	*	11.8	6.6	*
Stroke	22	13.6	26.5	*	22.7	33.7	*	22.7	39.1	*
Hip Fracture	29	3.4	4.8	*	13.8	9.2	*	24.1	12.4	*
Sepsis	5	0.0	31.2	*	40.0	37.2	*	40.0	43.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	3.4	*	0.0	7.4	*	0.0	11.4	*
Carotid Endarterectomy	1	0.0	1.8	*	0.0	3.5	*	0.0	5.2	*
Hip Replacement/Reconstruction	11	0.0	3.1	*	9.1	6.3	*	18.2	8.8	*
Open Reduction of Hip Fracture	13	0.0	4.6	*	15.4	9.1	*	15.4	12.5	*
Prostatectomy	34	0.0	0.8	*	0.0	1.8	*	0.0	2.9	*
Cholecystectomy	16	0.0	2.0	*	0.0	3.2	*	0.0	4.1	*
Hysterectomy	6	0.0	0.7	*	0.0	1.6	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NORWALK HOSPITAL

Maple St
Norwalk, CT 06856

Medicare Provider Number: 070034

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,844	8.7	9.6	0.8	14.7	14.8	0.7	18.5	18.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	90	25.6	24.9	4.6	32.2	28.4	5.8	34.4	31.7	5.7
Congestive Heart Failure	134	13.4	17.0	5.6	25.4	25.4	4.4	33.6	32.4	4.2
Pneumonia/Influenza	117	17.9	19.3	4.5	25.6	25.7	4.5	28.2	30.9	5.6
Chronic Obstructive Pulmonary Disease	31	9.7	8.9	*	16.1	15.1	*	16.1	20.7	*
Transient Cerebral Ischemia	27	0.0	1.9	*	7.4	4.3	*	7.4	6.9	*
Stroke	100	19.0	20.8	4.4	29.0	27.6	5.8	34.0	32.1	6.4
Hip Fracture	114	5.3	7.6	3.2	11.4	13.6	3.7	17.5	17.7	3.6
Sepsis	25	36.0	25.9	*	44.0	35.1	*	44.0	42.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	30	3.3	2.9	*	6.7	5.7	*	6.7	8.5	*
Carotid Endarterectomy	6	0.0	1.3	*	16.7	2.4	*	16.7	3.5	*
Hip Replacement/Reconstruction	61	1.6	4.3	3.5	4.9	8.4	5.3	9.8	11.5	5.3
Open Reduction of Hip Fracture	61	1.6	6.4	5.0	8.2	11.8	6.2	13.1	15.4	5.6
Prostatectomy	101	0.0	1.2	1.4	2.0	2.8	2.1	3.0	4.6	3.3
Cholecystectomy	36	0.0	3.7	*	0.0	6.3	*	5.6	8.0	*
Hysterectomy	20	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	406
Occupancy Rate	65
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	271
Percent of Physicians Board Certified Specialists	86
Medical Residents/Interns	49
Registered Nurses	330
Licensed Practical Nurses	28

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NORWALK HOSPITAL

Medicare Provider Number: 070034

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,948	9.0	10.3	0.7	14.9	15.6	0.8	18.8	19.6	0.8
CONDITIONS:										
Acute Myocardial Infarction	113	18.6	24.0	4.8	25.7	27.9	4.5	31.9	31.6	4.7
Congestive Heart Failure	143	12.6	18.2	4.1	26.6	26.7	4.2	31.5	33.8	4.1
Pneumonia/Influenza	123	19.5	20.7	3.7	30.1	27.3	4.2	39.8	32.4	5.4
Chronic Obstructive Pulmonary Disease	32	15.6	10.8	*	21.9	18.0	*	31.3	23.4	*
Transient Cerebral Ischemia	36	2.8	2.4	*	5.6	5.3	*	5.6	8.5	*
Stroke	124	25.8	23.5	5.6	31.5	30.4	5.9	34.7	35.1	4.7
Hip Fracture	106	6.6	7.4	2.6	12.3	13.2	3.6	16.0	16.9	3.7
Sepsis	21	28.6	29.8	*	38.1	36.5	*	47.6	42.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	12.5	4.6	*	12.5	7.6	*	12.5	10.6	*
Carotid Endarterectomy	8	0.0	1.1	*	0.0	1.8	*	0.0	2.6	*
Hip Replacement/Reconstruction	72	4.2	4.6	2.5	8.3	8.6	3.6	9.7	11.2	4.5
Open Reduction of Hip Fracture	51	7.8	6.1	4.7	13.7	11.5	5.9	17.6	14.9	7.2
Prostatectomy	125	0.0	1.6	1.7	3.2	3.8	2.1	4.8	6.3	2.5
Cholecystectomy	54	0.0	3.2	*	0.0	5.9	*	0.0	7.8	*
Hysterectomy	15	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,697	8.2	9.8	0.8	13.2	15.0	1.0	16.7	19.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	105	22.9	24.9	4.9	29.5	28.8	5.1	30.5	32.5	5.4
Congestive Heart Failure	113	9.7	18.5	5.8	16.8	27.1	6.3	25.7	34.2	6.1
Pneumonia/Influenza	87	20.7	18.5	4.6	23.0	24.9	5.0	26.4	30.1	6.7
Chronic Obstructive Pulmonary Disease	32	3.1	8.5	*	12.5	14.3	*	25.0	19.2	*
Transient Cerebral Ischemia	31	0.0	2.1	*	3.2	4.7	*	16.1	7.5	*
Stroke	95	14.7	22.5	6.9	25.3	29.1	8.0	30.5	33.6	5.7
Hip Fracture	82	4.9	6.5	3.0	9.8	11.8	5.1	11.0	15.6	7.6
Sepsis	35	22.9	29.8	*	31.4	39.2	*	34.3	45.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	5.9	7.4	*	5.9	12.1	*	5.9	15.6	*
Carotid Endarterectomy	1	0.0	1.5	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	45	0.0	3.4	*	4.4	6.3	*	4.4	8.5	*
Open Reduction of Hip Fracture	50	6.0	5.8	*	12.0	11.2	*	14.0	15.0	*
Prostatectomy	112	0.9	1.1	1.5	3.6	2.8	2.6	7.1	4.6	3.9
Cholecystectomy	45	2.2	4.1	*	4.4	7.0	*	4.4	8.9	*
Hysterectomy	15	0.0	1.3	*	6.7	2.9	*	6.7	4.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PARK CITY HOSPITAL

695 Park Ave
Bridgeport, CT 06604

Medicare Provider Number: 070023

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	489	9.8	10.0	1.6	15.1	14.9	1.6	20.7	19.0	2.0
CONDITIONS:										
Acute Myocardial Infarction	12	25.0	35.1	*	25.0	38.6	*	50.0	42.7	*
Congestive Heart Failure	22	40.9	15.3	*	50.0	23.1	*	54.5	29.5	*
Pneumonia/Influenza	20	0.0	14.7	*	5.0	20.0	*	15.0	24.4	*
Chronic Obstructive Pulmonary Disease	2	0.0	3.1	*	0.0	6.2	*	0.0	9.1	*
Transient Cerebral Ischemia	10	10.0	1.8	*	10.0	3.9	*	10.0	6.1	*
Stroke	17	17.6	29.8	*	23.5	35.6	*	29.4	39.9	*
Hip Fracture	16	0.0	6.2	*	0.0	10.9	*	6.3	14.0	*
Sepsis	8	62.5	36.8	*	62.5	44.3	*	62.5	50.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	2.2	*	0.0	6.2	*	0.0	11.3	*
Carotid Endarterectomy	1	0.0	0.8	*	0.0	1.5	*	0.0	2.1	*
Hip Replacement/Reconstruction	8	0.0	3.6	*	0.0	6.5	*	0.0	8.6	*
Open Reduction of Hip Fracture	7	0.0	7.1	*	0.0	13.2	*	14.3	17.3	*
Prostatectomy	16	0.0	1.0	*	0.0	2.5	*	0.0	4.4	*
Cholecystectomy	15	13.3	4.1	*	13.3	7.5	*	13.3	9.7	*
Hysterectomy	3	0.0	1.7	*	0.0	3.4	*	0.0	5.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	142
Occupancy Rate	59
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	158
Percent of Physicians Board Certified Specialists	61
Medical Residents/Interns	0
Registered Nurses	100
Licensed Practical Nurses	18

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

PARK CITY HOSPITAL

Medicare Provider Number: 070023

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	535	9.7	10.6	1.4	16.1	15.4	1.6	20.9	19.2	2.0
CONDITIONS:										
Acute Myocardial Infarction	20	25.0	29.6	*	25.0	33.0	*	30.0	37.0	*
Congestive Heart Failure	35	14.3	14.4	*	25.7	21.4	*	31.4	27.7	*
Pneumonia/Influenza	21	4.8	15.6	*	19.0	20.7	*	28.6	25.0	*
Chronic Obstructive Pulmonary Disease	4	0.0	5.3	*	25.0	9.1	*	25.0	12.5	*
Transient Cerebral Ischemia	6	0.0	2.1	*	0.0	4.6	*	0.0	7.4	*
Stroke	19	15.8	19.5	*	26.3	25.8	*	26.3	30.2	*
Hip Fracture	14	0.0	6.0	*	7.1	10.5	*	7.1	13.2	*
Sepsis	9	33.3	30.4	*	44.4	36.5	*	44.4	43.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	6.6	*	0.0	12.2	*	0.0	15.5	*
Open Reduction of Hip Fracture	5	0.0	5.0	*	0.0	9.5	*	0.0	12.4	*
Prostatectomy	21	0.0	1.3	*	4.8	3.2	*	4.8	5.4	*
Cholecystectomy	9	11.1	1.3	*	11.1	2.3	*	11.1	3.2	*
Hysterectomy	3	33.3	10.0	*	33.3	14.2	*	33.3	18.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	484	10.1	10.0	1.4	14.9	15.1	1.7	19.4	19.1	1.9
CONDITIONS:										
Acute Myocardial Infarction	13	15.4	29.9	*	15.4	33.2	*	23.1	36.9	*
Congestive Heart Failure	32	15.6	15.5	*	25.0	23.8	*	31.3	30.8	*
Pneumonia/Influenza	10	10.0	16.8	*	10.0	22.8	*	30.0	27.6	*
Chronic Obstructive Pulmonary Disease	8	25.0	11.6	*	37.5	21.5	*	37.5	30.0	*
Transient Cerebral Ischemia	5	0.0	2.6	*	0.0	5.7	*	0.0	9.3	*
Stroke	23	13.0	19.4	*	17.4	25.2	*	30.4	29.6	*
Hip Fracture	14	0.0	6.8	*	7.1	12.2	*	14.3	15.8	*
Sepsis	6	50.0	25.2	*	50.0	34.6	*	50.0	40.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.8	*	0.0	3.8	*	0.0	5.8	*
Carotid Endarterectomy	2	0.0	1.0	*	0.0	1.8	*	0.0	2.6	*
Hip Replacement/Reconstruction	6	0.0	5.6	*	0.0	10.7	*	0.0	13.9	*
Open Reduction of Hip Fracture	6	0.0	6.3	*	0.0	12.1	*	16.7	16.2	*
Prostatectomy	15	0.0	1.4	*	0.0	3.5	*	0.0	5.9	*
Cholecystectomy	13	0.0	1.9	*	0.0	3.1	*	0.0	3.8	*
Hysterectomy	4	0.0	1.3	*	0.0	2.6	*	0.0	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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The Park City Hospital

695 Park Avenue
Bridgeport, Connecticut 06604
(203) 579-5000

January 11, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Thank you for allowing us the opportunity to review and comment on the Medicare Mortality Data for 1991 prior to its publication.

We have reviewed the information pertaining to Park City Hospital and most of the data corresponds with our Hospital records with the following exceptions:

Med. Record	Patient's Name	HFCA Diagnosis	Actual Diagnosis
[redacted]	[redacted]	[redacted]	[redacted]

We would also like to make the following changes to our Hospital Characteristics Section:

Staffing as of September 30, 1989:

Registered Nurses.................148
Licensed Practical Nurses.........23

Once, again, thank you for allowing us to review this information, and we look forward to receiving the publication.

Sincerely,

Bruce J. Markowitz
President & Chief
Executive Officer

ec

ROCKVILLE GENERAL HOSPITAL

31 Union St
Rockville, CT 06066

Medicare Provider Number: 070012

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	953	8.4	9.5	1.3	13.6	14.1	1.4	16.7	17.8	1.7
CONDITIONS:										
Acute Myocardial Infarction	34	26.5	30.0	*	32.4	33.6	*	32.4	37.2	*
Congestive Heart Failure	65	12.3	14.6	5.8	18.5	22.1	6.3	23.1	28.6	7.9
Pneumonia/Influenza	51	21.6	16.2	8.1	25.5	21.9	9.5	25.5	26.5	11.0
Chronic Obstructive Pulmonary Disease	13	0.0	8.2	*	0.0	13.2	*	0.0	17.7	*
Transient Cerebral Ischemia	13	7.7	1.6	*	7.7	3.5	*	15.4	5.5	*
Stroke	49	22.4	20.8	*	30.6	27.4	*	32.7	32.0	*
Hip Fracture	28	0.0	6.5	*	7.1	11.7	*	14.3	15.2	*
Sepsis	9	22.2	28.4	*	33.3	35.1	*	33.3	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	6.5	*	0.0	9.7	*	0.0	12.1	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	18	0.0	4.7	*	0.0	8.7	*	5.6	11.4	*
Open Reduction of Hip Fracture	9	0.0	5.1	*	22.2	9.6	*	33.3	12.7	*
Prostatectomy	31	0.0	0.7	*	0.0	1.7	*	0.0	2.7	*
Cholecystectomy	15	0.0	6.9	*	0.0	11.5	*	0.0	13.5	*
Hysterectomy	6	16.7	2.9	*	16.7	5.4	*	16.7	6.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds	102
Ownership/Control	Private, Non-Profit

STAFFING:

Medical Residents/Interns	0
Registered Nurses	158
Licensed Practical Nurses	23

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice	Yes
Intensive Care Unit	Yes
Organ Transplant	No
Rehabilitation	Yes
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

ROCKVILLE GENERAL HOSPITAL

Medicare Provider Number: 070012

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	933	10.5	9.5	1.5	15.3	14.1	1.5	19.3	17.8	1.6
CONDITIONS:										
Acute Myocardial Infarction	49	30.6	29.6	*	36.7	33.5	*	36.7	37.5	*
Congestive Heart Failure	44	15.9	17.8	*	25.0	26.6	*	29.5	33.7	*
Pneumonia/Influenza	36	19.4	17.7	*	19.4	23.7	*	22.2	28.5	*
Chronic Obstructive Pulmonary Disease	17	17.6	8.2	*	17.6	14.0	*	29.4	19.0	*
Transient Cerebral Ischemia	17	0.0	2.0	*	0.0	4.4	*	0.0	6.9	*
Stroke	38	31.6	22.8	*	31.6	28.4	*	34.2	32.7	*
Hip Fracture	22	4.5	6.3	*	9.1	11.0	*	18.2	14.1	*
Sepsis	4	50.0	19.7	*	50.0	27.6	*	50.0	33.7	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	1.2	*	100.0	2.6	*	100.0	4.0	*
Carotid Endarterectomy	3	0.0	1.3	*	0.0	2.5	*	0.0	3.8	*
Hip Replacement/Reconstruction	6	0.0	3.1	*	16.7	6.2	*	33.3	8.5	*
Open Reduction of Hip Fracture	8	0.0	4.2	*	0.0	7.9	*	0.0	10.8	*
Prostatectomy	25	0.0	0.9	*	4.0	2.2	*	4.0	3.8	*
Cholecystectomy	17	11.8	5.5	*	23.5	9.2	*	29.4	11.8	*
Hysterectomy	7	0.0	0.8	*	0.0	1.9	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	908	8.8	8.6	1.3	12.8	13.0	1.4	16.7	16.6	1.4
CONDITIONS:										
Acute Myocardial Infarction	48	25.0	27.4	*	25.0	31.3	*	27.1	34.8	*
Congestive Heart Failure	40	12.5	15.2	*	22.5	22.9	*	35.0	29.6	*
Pneumonia/Influenza	34	26.5	17.1	*	32.4	23.3	*	38.2	28.1	*
Chronic Obstructive Pulmonary Disease	9	11.1	8.4	*	11.1	14.3	*	33.3	18.9	*
Transient Cerebral Ischemia	11	9.1	2.1	*	18.2	4.6	*	27.3	7.2	*
Stroke	33	18.2	20.7	*	21.2	27.4	*	24.2	32.1	*
Hip Fracture	19	0.0	6.5	*	5.3	11.9	*	5.3	15.6	*
Sepsis	4	50.0	22.8	*	50.0	35.6	*	50.0	44.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	4.4	*	0.0	8.0	*	9.1	11.1	*
Carotid Endarterectomy	2	0.0	1.4	*	0.0	2.3	*	0.0	3.2	*
Hip Replacement/Reconstruction	12	0.0	3.6	*	0.0	6.7	*	0.0	8.9	*
Open Reduction of Hip Fracture	6	0.0	6.4	*	0.0	12.4	*	0.0	16.5	*
Prostatectomy	34	0.0	1.0	*	0.0	2.3	*	2.9	3.9	*
Cholecystectomy	18	0.0	3.7	*	5.6	6.1	*	5.6	7.6	*
Hysterectomy	5	0.0	1.1	*	0.0	2.1	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SHARON HOSPITAL

West Main St
Sharon, CT 06069

Medicare Provider Number: 070004

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	843	10.1	9.8	1.1	14.9	14.8	1.5	19.0	18.7	1.6
CONDITIONS:										
Acute Myocardial Infarction	27	25.9	26.1	*	33.3	29.8	*	33.3	33.3	*
Congestive Heart Failure	47	8.5	17.1	*	25.5	26.3	*	34.0	33.6	*
Pneumonia/Influenza	48	14.6	16.7	*	16.7	22.5	*	25.0	27.1	*
Chronic Obstructive Pulmonary Disease	3	0.0	4.0	*	0.0	8.6	*	0.0	13.0	*
Transient Cerebral Ischemia	12	0.0	1.8	*	0.0	3.9	*	0.0	6.2	*
Stroke	35	20.0	20.8	*	25.7	27.1	*	25.7	31.4	*
Hip Fracture	36	11.1	7.6	*	22.2	13.7	*	27.8	17.7	*
Sepsis	6	33.3	27.3	*	33.3	32.0	*	33.3	37.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	4.2	*	0.0	9.0	*	0.0	13.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	21	0.0	4.4	*	4.8	8.2	*	14.3	10.7	*
Open Reduction of Hip Fracture	17	17.6	6.3	*	29.4	11.9	*	29.4	15.5	*
Prostatectomy	39	0.0	1.0	*	2.6	2.5	*	5.1	4.3	*
Cholecystectomy	11	0.0	1.8	*	0.0	2.7	*	0.0	3.5	*
Hysterectomy	12	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	92
Occupancy Rate	64
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	50
Percent of Physicians Board Certified Specialists	86
Medical Residents/Interns	0
Registered Nurses	103
Licensed Practical Nurses	4

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SHARON HOSPITAL

Medicare Provider Number: 070004

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	884	9.4	10.5	1.5	14.0	15.8	2.1	17.6	19.9	2.4
CONDITIONS:										
Acute Myocardial Infarction	31	22.6	24.4	*	25.8	27.8	*	25.8	31.2	*
Congestive Heart Failure	43	18.6	18.7	*	23.3	28.3	*	34.9	35.9	*
Pneumonia/Influenza	57	22.8	18.1	9.7	26.3	23.9	9.7	33.3	28.3	9.9
Chronic Obstructive Pulmonary Disease	8	12.5	5.7	*	12.5	10.7	*	12.5	15.1	*
Transient Cerebral Ischemia	11	0.0	3.4	*	9.1	7.6	*	27.3	11.6	*
Stroke	40	15.0	22.3	*	27.5	29.0	*	30.0	33.5	*
Hip Fracture	34	5.9	7.3	*	5.9	13.1	*	11.8	16.7	*
Sepsis	3	0.0	26.6	*	0.0	31.3	*	0.0	36.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	4.8	*	0.0	9.1	*	0.0	12.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	0.0	4.6	*	0.0	9.1	*	8.3	12.1	*
Open Reduction of Hip Fracture	21	9.5	6.6	*	9.5	12.4	*	14.3	16.2	*
Prostatectomy	31	6.5	1.7	*	6.5	4.0	*	9.7	6.2	*
Cholecystectomy	13	0.0	2.7	*	0.0	4.6	*	7.7	5.9	*
Hysterectomy	5	0.0	1.1	*	0.0	2.2	*	0.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	834	8.3	9.6	1.4	13.3	14.6	1.5	16.7	18.7	2.0
CONDITIONS:										
Acute Myocardial Infarction	36	22.2	24.5	*	22.2	27.8	*	25.0	31.2	*
Congestive Heart Failure	42	9.5	16.5	*	28.6	24.7	*	33.3	31.5	*
Pneumonia/Influenza	53	5.7	14.6	6.8	13.2	19.7	6.6	15.1	24.1	7.6
Chronic Obstructive Pulmonary Disease	3	0.0	12.6	*	0.0	18.4	*	33.3	23.5	*
Transient Cerebral Ischemia	17	0.0	1.8	*	0.0	3.8	*	0.0	6.0	*
Stroke	37	27.0	23.0	*	32.4	30.3	*	35.1	35.1	*
Hip Fracture	27	0.0	6.8	*	0.0	12.5	*	14.8	16.4	*
Sepsis	2	50.0	26.7	*	50.0	37.9	*	50.0	46.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	7.3	*	25.0	9.8	*	25.0	12.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	0.0	5.8	*	0.0	11.0	*	5.9	14.7	*
Open Reduction of Hip Fracture	10	0.0	4.7	*	0.0	9.5	*	20.0	13.0	*
Prostatectomy	37	0.0	1.7	*	5.4	4.2	*	10.8	7.0	*
Cholecystectomy	9	0.0	2.4	*	0.0	4.3	*	0.0	5.7	*
Hysterectomy	7	14.3	0.7	*	14.3	1.0	*	14.3	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST FRANCIS HOSPITAL & MEDICAL CENTER

114 Woodland Street
Hartford, CT 06105

Medicare Provider Number: 070002

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,535	8.3	8.7	0.6	13.4	13.2	0.6	16.5	16.8	0.6
CONDITIONS:										
Acute Myocardial Infarction	137	24.8	25.5	3.9	29.2	28.8	4.3	29.9	32.0	5.0
Congestive Heart Failure	223	13.5	16.4	3.3	22.4	25.1	3.5	25.1	32.2	4.1
Pneumonia/Influenza	147	17.7	18.6	3.3	23.8	25.4	4.4	25.9	30.5	4.5
Chronic Obstructive Pulmonary Disease	57	7.0	7.5	3.5	19.3	13.4	6.3	24.6	18.6	8.3
Transient Cerebral Ischemia	57	1.8	1.9	1.8	1.8	4.1	3.3	5.3	6.5	3.8
Stroke	148	18.9	19.4	3.5	20.3	26.2	4.2	24.3	30.6	4.5
Hip Fracture	124	3.2	6.5	4.2	8.1	11.6	6.2	11.3	15.0	6.2
Sepsis	34	29.4	24.5	*	44.1	32.1	*	50.0	37.7	*
PROCEDURES:										
Angioplasty	41	2.4	4.1	*	4.9	5.3	*	4.9	6.6	*
Coronary Artery Bypass Graft	248	4.8	6.7	2.3	8.9	9.9	2.8	10.1	11.8	2.3
Initial Pacemaker Insertion	41	0.0	3.6	*	0.0	6.8	*	4.9	9.6	*
Carotid Endarterectomy	19	0.0	1.6	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	92	0.0	3.9	2.8	4.3	7.3	4.2	5.4	9.7	4.2
Open Reduction of Hip Fracture	54	3.7	5.7	4.1	3.7	10.7	6.7	7.4	14.0	7.6
Prostatectomy	100	1.0	0.8	1.5	5.0	2.0	2.0	5.0	3.4	3.1
Cholecystectomy	76	2.6	2.3	1.9	3.9	4.1	2.3	5.3	5.4	2.7
Hysterectomy	46	0.0	0.9	*	0.0	2.2	*	6.5	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	586
Occupancy Rate	77
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	343
Percent of Physicians Board Certified Specialists	92
Medical Residents/Interns	72
Registered Nurses	734
Licensed Practical Nurses	84

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ST FRANCIS HOSPITAL & MEDICAL CENTER

Medicare Provider Number: 070002

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,509	8.0	9.2	0.8	13.5	13.9	0.6	17.2	17.6	0.6
CONDITIONS:										
Acute Myocardial Infarction	124	28.2	25.4	5.2	34.7	29.1	6.0	39.5	32.7	7.6
Congestive Heart Failure	213	13.1	17.8	4.5	23.5	26.5	3.9	30.5	33.6	3.9
Pneumonia/Influenza	112	8.9	19.3	5.8	20.5	25.7	4.9	25.9	30.5	4.8
Chronic Obstructive Pulmonary Disease	87	6.9	9.6	3.9	16.1	15.6	3.9	20.7	20.8	4.7
Transient Cerebral Ischemia	58	3.4	2.5	2.2	6.9	5.5	3.2	8.6	8.7	3.8
Stroke	151	15.2	22.6	5.6	22.5	29.7	6.1	26.5	34.5	6.7
Hip Fracture	107	3.7	7.5	4.3	8.4	13.6	6.5	11.2	17.4	7.4
Sepsis	23	30.4	33.0	*	34.8	42.7	*	34.8	49.7	*
PROCEDURES:										
Angioplasty	46	2.2	5.5	*	2.2	6.8	*	2.2	8.2	*
Coronary Artery Bypass Graft	226	1.8	6.7	2.2	4.4	9.5	2.6	4.9	11.1	2.8
Initial Pacemaker Insertion	19	0.0	4.1	*	5.3	7.1	*	5.3	9.8	*
Carotid Endarterectomy	10	0.0	1.2	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction	70	1.4	3.6	3.3	2.9	6.9	5.3	4.3	9.3	6.3
Open Reduction of Hip Fracture	69	4.3	6.8	3.9	8.7	12.8	6.2	11.6	16.6	8.3
Prostatectomy	128	0.8	1.3	1.5	3.1	3.1	2.4	7.0	5.2	3.2
Cholecystectomy	75	0.0	3.6	3.7	5.3	6.2	3.1	8.0	7.8	3.1
Hysterectomy	30	0.0	0.8	*	0.0	1.6	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,580	8.6	9.8	0.8	14.0	14.8	0.8	17.9	18.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	146	19.9	25.0	5.1	25.3	28.7	4.4	28.8	32.2	4.6
Congestive Heart Failure	214	15.9	17.8	3.5	26.2	26.7	3.9	31.8	33.8	4.4
Pneumonia/Influenza	121	19.8	19.1	3.6	26.4	25.4	4.1	30.6	30.5	4.3
Chronic Obstructive Pulmonary Disease	117	8.5	11.2	5.1	12.0	18.3	5.8	17.9	23.7	6.0
Transient Cerebral Ischemia	67	0.0	2.2	2.6	3.0	4.9	3.3	3.0	7.8	5.1
Stroke	173	20.2	24.2	4.0	23.1	30.5	5.3	27.2	35.0	5.9
Hip Fracture	111	3.6	9.0	4.2	11.7	16.0	4.9	18.0	20.3	4.3
Sepsis	35	34.3	30.1	*	42.9	39.7	*	54.3	46.6	*
PROCEDURES:										
Angioplasty	24	0.0	3.4	*	0.0	4.2	*	0.0	5.3	*
Coronary Artery Bypass Graft	210	4.8	7.3	3.1	7.1	10.2	3.7	8.6	11.9	4.2
Initial Pacemaker Insertion	40	2.5	5.2	*	5.0	9.3	*	10.0	12.6	*
Carotid Endarterectomy	14	0.0	1.5	*	0.0	2.8	*	0.0	4.2	*
Hip Replacement/Reconstruction	69	1.4	3.5	2.4	5.8	6.5	3.1	10.1	8.6	3.5
Open Reduction of Hip Fracture	63	3.2	9.0	6.6	11.1	17.0	9.2	15.9	22.0	9.2
Prostatectomy	155	0.0	1.5	1.7	2.6	3.6	1.7	5.8	5.7	1.9
Cholecystectomy	74	6.8	4.4	3.6	12.2	7.3	6.2	14.9	9.2	7.5
Hysterectomy	34	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST JOSEPHS HOSPITAL

128 Strawberry Hill Ave
Stamford, CT 06904

Medicare Provider Number: 070030

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,349	9.1	9.6	0.9	15.6	14.8	1.0	18.8	18.8	1.1
CONDITIONS:										
Acute Myocardial Infarction	39	25.6	23.2	*	33.3	27.4	*	35.9	31.1	*
Congestive Heart Failure	91	12.1	15.7	4.2	26.4	23.9	6.7	33.0	30.8	5.1
Pneumonia/Influenza	66	16.7	17.4	4.7	27.3	23.3	5.8	31.8	27.9	6.3
Chronic Obstructive Pulmonary Disease	17	0.0	10.5	*	11.8	17.4	*	17.6	23.1	*
Transient Cerebral Ischemia	29	0.0	2.2	*	3.4	5.1	*	10.3	8.2	*
Stroke	41	29.3	21.6	*	36.6	28.4	*	39.0	32.9	*
Hip Fracture	44	6.8	7.0	*	6.8	12.4	*	9.1	16.1	*
Sepsis	14	35.7	31.2	*	35.7	38.6	*	35.7	44.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	4.1	*	13.3	8.2	*	26.7	11.6	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.2	*	0.0	3.4	*
Hip Replacement/Reconstruction	26	3.8	4.7	*	3.8	9.1	*	7.7	12.4	*
Open Reduction of Hip Fracture	26	3.8	6.0	*	3.8	11.3	*	3.8	15.0	*
Prostatectomy	51	0.0	1.1	2.0	3.9	2.7	2.6	5.9	4.6	3.8
Cholecystectomy	28	3.6	4.5	*	7.1	8.3	*	10.7	10.7	*
Hysterectomy	10	0.0	1.9	*	0.0	3.0	*	0.0	3.8	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	180
Occupancy Rate	69
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	258
Percent of Physicians Board Certified Specialists	82
Medical Residents/Interns	11
Registered Nurses	172
Licensed Practical Nurses	21

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST JOSEPHS HOSPITAL

Medicare Provider Number: 070030

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,411	8.3	9.1	0.9	13.1	14.0	1.1	16.7	17.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	38	23.7	27.6	*	36.8	30.3	*	39.5	33.5	*
Congestive Heart Failure	87	13.8	18.9	6.1	27.6	28.2	6.1	33.3	35.4	6.1
Pneumonia/Influenza	68	13.2	17.5	7.9	17.6	23.7	9.3	22.1	28.4	11.0
Chronic Obstructive Pulmonary Disease	13	0.0	11.5	*	0.0	18.6	*	7.7	24.2	*
Transient Cerebral Ischemia	42	0.0	2.5	*	0.0	5.7	*	0.0	9.2	*
Stroke	51	19.6	22.1	7.4	27.5	29.0	6.5	29.4	33.6	7.8
Hip Fracture	33	9.1	8.6	*	27.3	15.2	*	30.3	19.3	*
Sepsis	8	25.0	29.1	*	25.0	37.8	*	25.0	44.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	1.8	*	0.0	4.0	*	0.0	6.5	*
Carotid Endarterectomy	4	0.0	1.1	*	0.0	1.8	*	0.0	2.6	*
Hip Replacement/Reconstruction	15	6.7	4.4	*	20.0	7.6	*	20.0	9.6	*
Open Reduction of Hip Fracture	20	0.0	7.2	*	10.0	13.3	*	15.0	17.1	*
Prostatectomy	59	1.7	1.2	2.2	3.4	3.0	3.0	5.1	4.9	3.3
Cholecystectomy	20	0.0	2.4	*	5.0	4.4	*	5.0	5.7	*
Hysterectomy	8	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,210	8.7	8.7	1.2	12.7	13.6	1.1	15.9	17.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	48	29.2	27.3	*	35.4	31.9	*	39.6	35.7	*
Congestive Heart Failure	73	16.4	15.5	5.5	27.4	23.3	5.4	28.8	30.1	5.6
Pneumonia/Influenza	57	21.1	16.6	6.2	24.6	22.3	7.1	33.3	27.1	9.1
Chronic Obstructive Pulmonary Disease	20	10.0	6.6	*	10.0	11.6	*	10.0	15.9	*
Transient Cerebral Ischemia	38	0.0	2.0	*	2.6	4.4	*	2.6	6.9	*
Stroke	43	16.3	19.9	*	27.9	26.5	*	32.6	30.9	*
Hip Fracture	21	4.8	6.3	*	14.3	11.8	*	14.3	15.6	*
Sepsis	5	20.0	20.5	*	20.0	29.8	*	20.0	35.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.1	*	0.0	6.5	*	0.0	10.0	*
Carotid Endarterectomy	1	0.0	2.1	*	0.0	3.8	*	0.0	5.5	*
Hip Replacement/Reconstruction	12	0.0	2.4	*	0.0	4.6	*	0.0	6.3	*
Open Reduction of Hip Fracture	12	0.0	4.1	*	8.3	8.2	*	8.3	11.4	*
Prostatectomy	47	2.1	1.2	*	2.1	2.8	*	4.3	4.8	*
Cholecystectomy	21	9.5	4.3	*	14.3	7.4	*	14.3	9.5	*
Hysterectomy	5	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

St. Joseph
Medical Center

Office of the President

128 Strawberry Hill Avenue
P.O. Box 1222, Stamford, CT 06904
(203) 353-2001

January 15, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Re: #070030

Dear Mrs. Kappert:

St. Joseph Medical Center is in receipt of the 1989 Medicare Mortality data prepared by the Health Care Finance Administration (HCFA). The revised 1988 and 1987 data are also included with the current report.

The St. Joseph Medical Center Quality Assurance Program includes a system of continuous quality improvement. Verification of the delivery of optimum health care includes a detailed review of all patient medical records including inpatient deaths. Evaluation and analysis is performed by physicians and other health care professionals. Careful study is given to each case including the plan of care designated by their attending physicians after hospital discharge.

The HCFA data reflects deaths occurring within 30, 90 and 180 days after admission. Information regarding patient deaths after discharge is not routinely available to the hospital. Upon receipt of this report we are performing additional retrospective case reviews in order to evaluate the post hospital options available within our community.

The actual Medicare admissions to St. Joseph Medical Center in fiscal year 1989 is approximately forty percent higher than the number of cases reported. This is primarily due to the HCFA methodology of including only one admission in fiscal year 1989. In the past, HCFA reported the last admission for the year under study; the new methodology selects one admission per patient randomly. In either methodology, the number of discharges will not reflect multiple admissions which is the experience of a high percentage of Medicare patients with serious chronic and life threatening diagnoses such as cardiovascular disease and cancer.

Last year, HCFA used a logistic regression model to predict the probability of death for each beneficiary. This year, HCFA uses a survival model to estimate the probability of death. This model assumes that the outcome is the result of hospital treatment and patient characteristics plus chance or random variation.

The classification of cases by condition and procedure is dependent on the coding protocol utilized in hospitals required by HCFA which is based on the principle reason for the hospitalization rather than the etiology or underlying problem - consequently a cardiac or cancer patient may be classified as a metabolic disturbance if they are dehydrated; or as an infectious disease if they require treatment for the infection. This hospital coding requirement was originally instituted for the purpose of the HCFA financial database management not clinical analysis.

St. Joseph Medical Center appreciates the HCFA continued refinement of this data and we encourage the development toward improved methods of data analysis. The public should be mindful that mortality statistics require a significant amount of investigation to determine all the factors associated with the prediction and prevention of death for hospitalized patients. This is especially true for patients in the Medicare age group.

The age, diagnosis, and procedures as well as circumstances such as elective or planned hospitalizations versus emergency hospitalizations will affect the outcome. Deaths 30, 90 and 180 days after admission may be preventable due to patient non-compliance with medication or other treatments. These factors are not included in a model of predicted deaths.

Today's restrictive reimbursement environment in hospitals result in a growing loss of control over the circumstances of patient care. Future Medicare analysis should include longitudinal studies which may reflect our society's ability to provide health care services before and after hospitalization of the elderly.

Thank you for the opportunity to respond to this information prior to the HCFA's final publication.

Sincerely,

Sister Daniel Marie

Sister Daniel Marie
President/CEO

SDM:pd

ST MARYS HOSPITAL

56 Franklin St
Waterbury, CT 06702

Medicare Provider Number: 070016

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,149	9.4	9.0	0.6	14.6	14.0	0.8	18.3	17.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	110	28.2	25.1	5.3	30.0	29.0	5.5	35.5	32.6	6.0
Congestive Heart Failure	147	11.6	14.9	3.7	20.4	22.7	4.1	23.8	29.4	5.8
Pneumonia/Influenza	115	20.0	17.7	3.8	24.3	24.1	4.1	29.6	29.0	4.3
Chronic Obstructive Pulmonary Disease	34	5.9	6.9	*	8.8	12.9	*	8.8	18.3	*
Transient Cerebral Ischemia	44	0.0	1.6	*	0.0	3.5	*	4.5	5.5	*
Stroke	90	23.3	20.7	4.9	32.2	27.4	6.5	35.6	31.8	6.8
Hip Fracture	98	5.1	6.8	3.7	8.2	12.2	4.1	14.3	15.7	3.8
Sepsis	26	23.1	18.8	*	26.9	25.6	*	30.8	30.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	28	0.0	6.0	*	7.1	11.1	*	7.1	15.2	*
Carotid Endarterectomy	24	4.2	1.4	*	4.2	2.6	*	4.2	3.7	*
Hip Replacement/Reconstruction	29	10.3	3.8	*	10.3	7.3	*	20.7	9.8	*
Open Reduction of Hip Fracture	61	1.6	6.3	4.0	3.3	11.7	5.7	6.6	15.3	6.1
Prostatectomy	72	0.0	1.2	1.9	2.8	2.9	2.0	4.2	4.9	2.6
Cholecystectomy	68	2.9	2.7	2.3	7.4	5.0	3.3	7.4	6.7	3.5
Hysterectomy	25	0.0	1.1	*	4.0	2.1	*	4.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	310
Occupancy Rate	87
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	262
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	53
Registered Nurses	346
Licensed Practical Nurses	39

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ST MARYS HOSPITAL

Medicare Provider Number: 070016

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,285	10.4	9.8	0.7	15.6	15.0	0.8	19.0	18.9	0.7
CONDITIONS:										
Acute Myocardial Infarction	129	31.8	25.4	6.4	35.7	29.4	7.3	38.8	33.1	7.5
Congestive Heart Failure	138	21.0	16.9	4.3	29.7	25.7	4.4	32.6	32.7	4.0
Pneumonia/Influenza	123	15.4	18.5	6.6	22.8	24.8	5.2	26.8	29.7	4.9
Chronic Obstructive Pulmonary Disease	32	12.5	7.9	*	21.9	13.3	*	28.1	17.9	*
Transient Cerebral Ischemia	51	2.0	2.1	2.2	5.9	4.6	3.2	7.8	7.2	3.7
Stroke	103	23.3	20.6	4.6	33.0	27.2	6.2	35.9	31.7	5.5
Hip Fracture	86	9.3	6.4	3.7	15.1	11.8	5.7	19.8	15.2	7.5
Sepsis	37	24.3	24.1	*	29.7	32.5	*	32.4	38.5	*
PROCEDURES:										
Angioplasty	1	0.0	0.7	*	0.0	1.6	*	0.0	2.5	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	10.0	6.6	*	15.0	9.7	*	15.0	12.7	*
Carotid Endarterectomy	12	8.3	1.7	*	16.7	3.2	*	16.7	4.8	*
Hip Replacement/Reconstruction	38	7.9	4.2	*	13.2	8.4	*	15.8	11.6	*
Open Reduction of Hip Fracture	45	6.7	5.3	*	11.1	10.3	*	15.6	13.7	*
Prostatectomy	73	1.4	1.5	1.6	2.7	3.5	2.3	4.1	5.7	3.1
Cholecystectomy	57	0.0	2.8	3.1	7.0	5.2	3.1	10.5	6.9	3.9
Hysterectomy	25	4.0	1.2	*	8.0	2.5	*	8.0	3.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,102	11.0	9.2	0.7	16.5	14.4	1.0	19.7	18.4	0.9
CONDITIONS:										
Acute Myocardial Infarction	102	27.5	24.7	4.8	34.3	28.4	5.9	38.2	32.0	7.2
Congestive Heart Failure	154	16.9	16.3	3.3	26.6	24.4	3.7	27.9	31.1	4.1
Pneumonia/Influenza	109	25.7	16.1	5.6	30.3	22.1	5.4	35.8	26.9	5.9
Chronic Obstructive Pulmonary Disease	52	15.4	8.0	7.7	23.1	13.6	8.4	25.0	18.1	8.6
Transient Cerebral Ischemia	51	2.0	2.0	2.0	2.0	4.5	3.9	3.9	7.0	5.9
Stroke	92	26.1	22.6	5.2	41.3	29.5	8.2	43.5	34.0	8.4
Hip Fracture	77	7.8	6.3	4.4	15.6	11.4	5.2	22.1	14.8	7.2
Sepsis	29	20.7	28.0	*	27.6	37.1	*	37.9	43.0	*
PROCEDURES:										
Angioplasty	1	100.0	15.2	*	100.0	16.9	*	100.0	18.9	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	9.5	4.7	*	14.3	9.3	*	19.0	13.1	*
Carotid Endarterectomy	14	0.0	1.5	*	0.0	3.0	*	0.0	4.4	*
Hip Replacement/Reconstruction	39	0.0	3.9	*	5.1	7.5	*	7.7	10.0	*
Open Reduction of Hip Fracture	30	13.3	5.7	*	23.3	10.7	*	26.7	14.1	*
Prostatectomy	82	0.0	1.3	1.6	3.7	3.2	2.9	3.7	5.3	3.8
Cholecystectomy	64	1.6	3.8	2.9	9.4	6.7	3.8	10.9	8.6	4.9
Hysterectomy	27	0.0	0.8	*	3.7	1.8	*	3.7	2.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

ST VINCENTS MEDICAL CENTER

2800 Main St
Bridgeport, CT 06606

Medicare Provider Number: 070028

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,078	10.8	10.2	0.7	16.2	15.0	0.9	19.6	18.8	1.1
CONDITIONS:										
Acute Myocardial Infarction	149	24.8	29.8	4.8	29.5	32.9	4.4	34.9	36.2	4.9
Congestive Heart Failure	161	16.1	16.0	3.0	31.1	24.6	4.5	37.9	31.5	4.7
Pneumonia/Influenza	98	24.5	18.0	5.5	34.7	24.0	7.8	38.8	28.8	7.9
Chronic Obstructive Pulmonary Disease	20	15.0	11.2	*	30.0	17.2	*	35.0	22.4	*
Transient Cerebral Ischemia	49	0.0	1.7	*	0.0	3.6	*	0.0	5.7	*
Stroke	139	20.1	19.6	3.8	23.7	26.4	4.9	27.3	30.8	5.5
Hip Fracture	111	5.4	8.1	4.8	9.9	14.2	7.2	13.5	17.9	7.9
Sepsis	31	22.6	25.0	*	25.8	30.6	*	41.9	35.9	*
PROCEDURES:										
Angioplasty	112	4.5	4.0	2.1	6.3	5.2	2.3	9.8	6.5	3.6
Coronary Artery Bypass Graft	50	12.0	5.4	*	20.0	8.1	*	24.0	10.0	*
Initial Pacemaker Insertion	34	2.9	4.2	*	8.8	7.9	*	11.8	11.5	*
Carotid Endarterectomy	4	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	42	2.4	4.0	*	4.8	7.6	*	9.5	10.1	*
Open Reduction of Hip Fracture	37	5.4	7.9	*	13.5	14.5	*	16.2	18.6	*
Prostatectomy	55	1.8	1.1	2.0	3.6	2.7	2.5	5.5	4.6	3.0
Cholecystectomy	66	4.5	3.0	3.7	10.6	5.4	5.2	10.6	7.1	6.0
Hysterectomy	27	0.0	0.5	*	0.0	1.2	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	391
Occupancy Rate	77
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	246
Percent of Physicians Board Certified Specialists	78
Medical Residents/Interns	30
Registered Nurses	369
Licensed Practical Nurses	61

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST VINCENTS MEDICAL CENTER

Medicare Provider Number: 070028

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,278	11.3	10.9	0.6	17.5	16.0	0.9	21.8	19.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	147	25.9	29.7	4.4	33.3	33.1	4.6	38.1	36.6	4.0
Congestive Heart Failure	178	14.6	16.2	4.0	24.2	24.3	3.4	30.9	31.0	3.5
Pneumonia/Influenza	92	15.2	17.9	4.6	25.0	23.8	4.6	29.3	28.4	4.8
Chronic Obstructive Pulmonary Disease	30	10.0	10.4	*	16.7	15.9	*	23.3	21.2	*
Transient Cerebral Ischemia	53	1.9	2.0	3.2	7.5	4.4	4.1	7.5	6.9	4.6
Stroke	137	20.4	21.4	3.6	27.7	27.8	4.0	33.6	32.3	4.4
Hip Fracture	111	9.9	8.6	3.0	16.2	15.2	3.8	20.7	19.0	4.8
Sepsis	51	21.6	33.0	7.6	45.1	41.1	8.5	52.9	47.4	7.5
PROCEDURES:										
Angioplasty	68	5.9	3.8	3.2	7.4	4.8	3.8	7.4	5.8	3.5
Coronary Artery Bypass Graft	63	6.3	6.7	3.4	12.7	9.8	4.8	15.9	11.7	7.0
Initial Pacemaker Insertion	30	6.7	7.8	*	10.0	11.6	*	13.3	15.1	*
Carotid Endarterectomy	6	0.0	1.4	*	0.0	2.6	*	0.0	3.7	*
Hip Replacement/Reconstruction	58	5.2	4.4	2.8	10.3	8.4	4.3	13.8	11.0	5.8
Open Reduction of Hip Fracture	38	10.5	7.7	*	15.8	14.1	*	18.4	18.0	*
Prostatectomy	75	0.0	1.6	2.1	2.7	3.8	2.6	6.7	6.2	2.9
Cholecystectomy	66	4.5	4.0	2.5	7.6	6.3	4.9	12.1	7.9	7.1
Hysterectomy	24	4.2	0.7	*	4.2	1.4	*	4.2	2.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,148	10.6	11.1	0.8	15.9	16.2	0.7	19.6	20.1	0.7
CONDITIONS:										
Acute Myocardial Infarction	160	27.5	31.0	4.4	33.7	34.8	4.0	38.1	38.5	3.9
Congestive Heart Failure	160	12.5	17.8	4.7	20.6	26.7	4.7	28.1	34.1	5.0
Pneumonia/Influenza	95	26.3	19.2	7.6	31.6	25.6	6.9	33.7	30.8	6.2
Chronic Obstructive Pulmonary Disease	15	13.3	11.0	*	20.0	18.5	*	40.0	24.3	*
Transient Cerebral Ischemia	57	1.8	2.1	2.0	8.8	4.4	4.1	10.5	6.8	4.7
Stroke	143	24.5	22.4	6.3	32.9	29.4	6.9	37.1	33.9	6.4
Hip Fracture	96	8.3	7.9	2.9	11.5	13.7	4.3	15.6	17.4	4.6
Sepsis	44	34.1	32.1	*	40.9	38.5	*	45.5	44.1	*
PROCEDURES:										
Angioplasty	9	0.0	3.6	*	0.0	4.7	*	0.0	6.1	*
Coronary Artery Bypass Graft	43	7.0	7.0	*	11.6	9.6	*	11.6	11.1	*
Initial Pacemaker Insertion	24	0.0	3.9	*	4.2	7.4	*	4.2	10.4	*
Carotid Endarterectomy	8	0.0	1.8	*	0.0	3.6	*	0.0	5.3	*
Hip Replacement/Reconstruction	40	5.0	4.3	*	7.5	7.4	*	7.5	9.4	*
Open Reduction of Hip Fracture	35	2.9	6.6	*	5.7	12.0	*	8.6	15.4	*
Prostatectomy	77	1.3	1.4	1.5	3.9	3.4	2.9	5.2	5.5	4.1
Cholecystectomy	72	2.8	3.2	2.7	5.6	5.5	3.0	6.9	7.1	3.2
Hysterectomy	21	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

STAMFORD HOSPITAL

Shlburne Rd & West Broad St
Stamford, CT 06902

Medicare Provider Number: 070006

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,801	7.4	9.0	0.8	11.7	14.1	1.1	15.3	18.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	51	19.6	25.8	9.4	19.6	29.0	10.1	19.6	32.2	11.3
Congestive Heart Failure	84	13.1	15.8	6.0	15.5	24.6	8.2	23.8	31.8	9.4
Pneumonia/Influenza	62	17.7	17.0	4.8	21.0	23.0	5.9	22.6	27.8	7.9
Chronic Obstructive Pulmonary Disease	20	10.0	8.4	*	10.0	14.5	*	20.0	19.9	*
Transient Cerebral Ischemia	41	2.4	1.6	*	4.9	3.7	*	7.3	5.8	*
Stroke	60	20.0	23.9	8.3	26.7	30.9	11.7	28.3	35.4	11.8
Hip Fracture	40	5.0	7.2	*	7.5	12.9	*	17.5	16.6	*
Sepsis	14	35.7	31.6	*	35.7	41.7	*	35.7	49.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	29	6.9	3.8	*	6.9	7.4	*	13.8	10.6	*
Carotid Endarterectomy	3	0.0	1.0	*	0.0	1.7	*	0.0	2.4	*
Hip Replacement/Reconstruction	30	0.0	3.9	*	0.0	7.9	*	6.7	11.0	*
Open Reduction of Hip Fracture	21	4.8	7.0	*	9.5	12.9	*	19.0	16.6	*
Prostatectomy	75	1.3	0.9	1.2	2.7	2.2	1.8	4.0	3.8	2.4
Cholecystectomy	23	0.0	2.6	*	0.0	4.6	*	4.3	6.1	*
Hysterectomy	34	0.0	0.9	*	0.0	1.7	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	289
Occupancy Rate	72
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	274
Percent of Physicians Board Certified Specialists	86
Medical Residents/Interns	38
Registered Nurses	290
Licensed Practical Nurses	27

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

STAMFORD HOSPITAL

Medicare Provider Number: 070006

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,704	7.6	9.0	0.9	13.1	14.0	0.9	17.3	18.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	60	26.7	28.3	6.3	30.0	32.0	6.6	35.0	35.5	7.7
Congestive Heart Failure	90	12.2	15.5	4.4	26.7	23.6	5.0	31.1	30.4	5.5
Pneumonia/Influenza	43	14.0	17.5	*	23.3	23.5	*	23.3	28.2	*
Chronic Obstructive Pulmonary Disease	17	0.0	9.6	*	17.6	15.5	*	23.5	20.7	*
Transient Cerebral Ischemia	45	6.7	2.2	*	8.9	4.9	*	8.9	7.7	*
Stroke	48	20.8	20.3	*	25.0	26.9	*	31.3	31.2	*
Hip Fracture	36	5.6	7.0	*	16.7	12.9	*	19.4	16.6	*
Sepsis	14	21.4	29.5	*	21.4	37.9	*	35.7	44.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	3.2	*	6.3	6.5	*	6.3	9.6	*
Carotid Endarterectomy	4	0.0	1.8	*	0.0	3.5	*	0.0	4.9	*
Hip Replacement/Reconstruction	24	4.2	4.7	*	12.5	9.1	*	16.7	12.0	*
Open Reduction of Hip Fracture	19	0.0	5.7	*	10.5	11.0	*	10.5	14.5	*
Prostatectomy	77	2.6	1.1	1.7	3.9	2.7	2.4	6.5	4.4	3.8
Cholecystectomy	20	0.0	4.4	*	0.0	7.8	*	0.0	9.9	*
Hysterectomy	29	0.0	0.7	*	0.0	1.5	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,590	8.0	10.3	1.1	13.4	15.8	1.2	16.6	20.1	1.4
CONDITIONS:										
Acute Myocardial Infarction	57	36.8	29.5	9.9	36.8	33.7	8.4	40.4	37.8	6.8
Congestive Heart Failure	82	12.2	18.5	6.0	22.0	27.7	6.2	34.1	35.3	5.4
Pneumonia/Influenza	43	20.9	17.6	*	25.6	24.1	*	27.9	29.3	*
Chronic Obstructive Pulmonary Disease	28	7.1	11.2	*	14.3	17.9	*	17.9	23.2	*
Transient Cerebral Ischemia	27	0.0	1.7	*	0.0	3.7	*	0.0	5.9	*
Stroke	47	21.3	19.6	*	34.0	27.4	*	36.2	32.2	*
Hip Fracture	34	5.9	8.0	*	8.8	14.2	*	8.8	18.2	*
Sepsis	12	8.3	37.6	*	16.7	45.4	*	16.7	51.9	*
PROCEDURES:										
Angioplasty	1	0.0	8.0	*	0.0	9.0	*	0.0	10.3	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	1.9	*	0.0	4.3	*	0.0	7.1	*
Carotid Endarterectomy	2	0.0	1.8	*	0.0	3.2	*	0.0	4.7	*
Hip Replacement/Reconstruction	22	4.5	4.2	*	9.1	8.0	*	9.1	10.6	*
Open Reduction of Hip Fracture	15	6.7	7.7	*	6.7	13.8	*	6.7	17.7	*
Prostatectomy	55	0.0	1.1	1.7	0.0	2.6	3.2	1.8	4.4	3.6
Cholecystectomy	19	0.0	4.1	*	0.0	7.6	*	5.3	10.0	*
Hysterectomy	16	0.0	0.9	*	0.0	1.8	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

VETERANS ADMINISTRATION HOSPITAL

West Spring St
West Haven, CT 06516

Medicare Provider Number: 07003F

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	15	0.0	0.7	*	0.0	1.3	*	0.0	1.5	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	593
Occupancy Rate	72
Ownership/Control	Federal Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	90
Percent of Physicians Board Certified Specialists	68
Medical Residents/Interns	104
Registered Nurses	252
Licensed Practical Nurses	123

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

VETERANS ADMINISTRATION HOSPITAL

Medicare Provider Number: 07003F

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	10	0.0	0.5	*	0.0	0.7	*	0.0	0.9	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	12	0.0	4.9	*	0.0	8.2	*	8.3	11.2	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

VETERANS MEMORIAL MEDICAL CENTER

181 Cook Avenue
Meriden, CT 06450

Medicare Provider Number: 070017

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,893	9.1	9.4	0.9	14.5	14.6	0.8	18.1	18.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	49	32.7	27.8	*	40.8	31.1	*	44.9	34.3	*
Congestive Heart Failure	77	23.4	17.1	6.6	26.0	24.5	6.6	35.1	31.2	6.5
Pneumonia/Influenza	102	18.6	19.5	4.4	28.4	26.2	4.7	30.4	31.2	5.3
Chronic Obstructive Pulmonary Disease	8	0.0	6.0	*	12.5	11.5	*	12.5	16.6	*
Transient Cerebral Ischemia	30	0.0	1.8	*	3.3	4.1	*	10.0	6.5	*
Stroke	60	13.3	19.3	7.8	20.0	26.2	9.5	23.3	30.6	10.5
Hip Fracture	74	8.1	7.1	3.2	12.2	12.6	4.9	20.3	16.1	7.5
Sepsis	26	19.2	22.6	*	34.6	30.7	*	34.6	37.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	0.0	4.2	*	11.1	7.6	*	11.1	10.7	*
Carotid Endarterectomy	8	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	46	2.2	3.4	*	6.5	6.5	*	8.7	8.8	*
Open Reduction of Hip Fracture	46	10.9	7.0	*	13.0	13.0	*	23.9	16.8	*
Prostatectomy	84	0.0	1.1	1.7	2.4	2.7	2.1	4.8	4.6	2.7
Cholecystectomy	42	4.8	2.7	*	7.1	4.5	*	7.1	5.7	*
Hysterectomy	14	0.0	0.6	*	0.0	1.3	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	176
Occupancy Rate	78
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	154
Percent of Physicians Board Certified Specialists	84
Medical Residents/Interns	0
Registered Nurses	196
Licensed Practical Nurses	25

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

VETERANS MEMORIAL MEDICAL CENTER

Medicare Provider Number: 070017

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,899	11.1	10.8	0.8	16.7	16.2	1.0	20.0	20.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	65	27.7	27.5	5.6	35.4	31.1	7.1	38.5	34.5	6.8
Congestive Heart Failure	104	17.3	17.9	3.9	27.9	25.9	4.7	31.7	32.7	5.8
Pneumonia/Influenza	72	18.1	18.1	4.6	29.2	24.3	7.6	36.1	29.1	9.4
Chronic Obstructive Pulmonary Disease	16	0.0	8.0	*	0.0	12.9	*	0.0	17.2	*
Transient Cerebral Ischemia	33	0.0	2.0	*	6.1	4.4	*	6.1	6.8	*
Stroke	68	17.6	22.1	7.3	25.0	29.1	6.8	26.5	34.0	7.9
Hip Fracture	66	6.1	6.6	3.2	12.1	11.9	4.3	15.2	15.1	4.4
Sepsis	40	20.0	26.0	*	35.0	33.8	*	35.0	40.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	19.7	*	0.0	25.3	*	0.0	28.7	*
Carotid Endarterectomy	12	0.0	1.7	*	0.0	3.4	*	0.0	5.0	*
Hip Replacement/Reconstruction	39	5.1	3.9	*	7.7	7.4	*	10.3	9.6	*
Open Reduction of Hip Fracture	38	7.9	5.9	*	10.5	11.1	*	13.2	14.4	*
Prostatectomy	67	1.5	0.9	1.7	1.5	2.2	2.2	3.0	3.7	2.9
Cholecystectomy	36	2.8	2.9	*	11.1	5.2	*	13.9	6.6	*
Hysterectomy	21	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,695	10.6	10.8	1.0	15.1	16.2	1.4	19.1	20.4	1.9
CONDITIONS:										
Acute Myocardial Infarction	56	46.4	28.2	9.9	50.0	31.3	9.8	50.0	34.8	9.1
Congestive Heart Failure	107	15.0	16.1	4.4	21.5	23.0	4.9	25.2	29.4	7.4
Pneumonia/Influenza	88	23.9	17.5	8.3	26.1	23.6	6.8	30.7	28.4	5.9
Chronic Obstructive Pulmonary Disease	17	0.0	10.6	*	0.0	19.0	*	11.8	25.6	*
Transient Cerebral Ischemia	40	2.5	2.1	*	5.0	4.6	*	5.0	7.1	*
Stroke	64	12.5	21.8	9.6	18.8	28.6	10.5	26.6	33.4	9.8
Hip Fracture	57	1.8	6.6	5.1	10.5	11.9	7.7	12.3	15.5	6.5
Sepsis	33	18.2	25.6	*	21.2	34.2	*	24.2	40.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	5.3	*	0.0	10.7	*	0.0	15.5	*
Carotid Endarterectomy	10	0.0	1.4	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	33	3.0	3.8	*	12.1	7.7	*	12.1	10.8	*
Open Reduction of Hip Fracture	27	0.0	5.9	*	0.0	11.0	*	0.0	14.5	*
Prostatectomy	57	3.5	1.0	2.0	5.3	2.4	2.6	5.3	4.0	3.2
Cholecystectomy	27	3.7	3.0	*	3.7	4.9	*	3.7	6.1	*
Hysterectomy	12	0.0	0.3	*	0.0	0.6	*	8.3	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WATERBURY HOSPITAL

64 Robbins St
Waterbury, CT 06720

Medicare Provider Number: 070005

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,252	9.1	9.5	0.6	14.2	14.0	0.6	17.6	17.7	0.7
CONDITIONS:										
Acute Myocardial Infarction	135	28.1	26.6	5.3	33.3	30.1	6.2	37.0	33.7	7.0
Congestive Heart Failure	155	16.1	16.7	3.1	27.7	25.3	4.1	38.1	32.4	5.5
Pneumonia/Influenza	106	17.0	17.2	3.7	25.5	23.4	4.3	27.4	28.1	4.4
Chronic Obstructive Pulmonary Disease	29	13.8	5.9	*	17.2	10.2	*	17.2	14.1	*
Transient Cerebral Ischemia	38	0.0	1.7	*	0.0	3.6	*	2.6	5.7	*
Stroke	107	19.6	23.4	5.6	27.1	30.0	5.6	32.7	34.7	6.1
Hip Fracture	98	3.1	6.0	3.8	7.1	10.8	4.6	11.2	14.1	4.3
Sepsis	29	34.5	25.9	*	41.4	34.0	*	41.4	40.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	0.0	3.2	*	0.0	6.4	*	0.0	9.5	*
Carotid Endarterectomy	17	0.0	1.7	*	0.0	3.4	*	0.0	5.2	*
Hip Replacement/Reconstruction	117	1.7	1.9	1.4	2.6	3.4	1.8	4.3	4.7	2.3
Open Reduction of Hip Fracture	57	1.8	5.3	4.2	7.0	10.0	4.7	12.3	13.3	4.6
Prostatectomy	79	1.3	0.9	1.1	2.5	2.2	1.7	3.8	3.7	2.4
Cholecystectomy	58	3.4	3.7	2.6	10.3	6.0	3.8	13.8	7.6	4.9
Hysterectomy	30	3.3	1.1	*	3.3	2.2	*	6.7	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	333
Occupancy Rate	79
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	313
Percent of Physicians Board Certified Specialists	66
Medical Residents/Interns	56
Registered Nurses	298
Licensed Practical Nurses	99

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WATERBURY HOSPITAL

Medicare Provider Number: 070005

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,133	10.2	10.0	0.7	15.0	14.8	0.9	17.9	18.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	147	21.8	27.6	6.0	25.2	31.2	6.7	27.9	35.0	6.9
Congestive Heart Failure	118	19.5	17.0	4.0	31.4	25.3	6.4	37.3	32.2	5.9
Pneumonia/Influenza	96	16.7	17.2	4.2	20.8	23.0	5.0	26.0	27.4	5.1
Chronic Obstructive Pulmonary Disease	37	21.6	10.5	*	27.0	17.1	*	29.7	22.7	*
Transient Cerebral Ischemia	47	4.3	2.3	*	6.4	5.1	*	8.5	7.8	*
Stroke	103	28.2	25.9	5.1	34.0	31.9	4.9	37.9	36.3	4.9
Hip Fracture	93	8.6	6.4	3.2	15.1	11.7	4.7	17.2	15.1	4.7
Sepsis	28	14.3	26.0	*	28.6	33.8	*	39.3	39.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	66.7	9.7	*	66.7	15.8	*	66.7	22.2	*
Carotid Endarterectomy	8	0.0	1.5	*	0.0	2.9	*	0.0	4.4	*
Hip Replacement/Reconstruction	114	1.8	1.7	1.2	3.5	3.3	1.8	4.4	4.4	1.9
Open Reduction of Hip Fracture	44	4.5	5.9	*	9.1	11.1	*	13.6	14.7	*
Prostatectomy	92	0.0	1.0	1.3	1.1	2.5	2.1	3.3	4.3	2.7
Cholecystectomy	65	1.5	3.1	3.8	6.2	5.3	3.8	7.7	6.6	3.6
Hysterectomy	23	0.0	0.6	*	0.0	1.4	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,782	8.6	9.9	0.8	13.4	14.7	0.9	17.5	18.4	0.8
CONDITIONS:										
Acute Myocardial Infarction	122	27.9	29.6	5.1	33.6	33.5	5.0	37.7	37.4	4.6
Congestive Heart Failure	103	20.4	16.1	6.5	28.2	23.9	8.1	36.9	30.7	10.2
Pneumonia/Influenza	89	13.5	19.1	6.8	19.1	25.4	7.3	23.6	30.4	8.5
Chronic Obstructive Pulmonary Disease	35	5.7	9.5	*	11.4	15.5	*	14.3	20.4	*
Transient Cerebral Ischemia	37	0.0	2.5	*	5.4	5.7	*	5.4	9.3	*
Stroke	95	22.1	22.0	4.3	28.4	27.9	4.7	32.6	32.5	4.9
Hip Fracture	78	7.7	6.6	4.1	14.1	11.7	4.1	19.2	15.1	6.2
Sepsis	19	42.1	25.8	*	47.4	34.4	*	52.6	40.2	*
PROCEDURES:										
Angioplasty	2	0.0	1.5	*	0.0	2.7	*	0.0	3.8	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	4.8	3.8	*	9.5	8.0	*	19.0	11.9	*
Carotid Endarterectomy	17	0.0	1.6	*	0.0	2.8	*	0.0	4.0	*
Hip Replacement/Reconstruction	134	1.5	2.1	1.3	5.2	4.0	2.7	5.2	5.4	2.7
Open Reduction of Hip Fracture	33	6.1	6.0	*	12.1	11.3	*	21.2	14.9	*
Prostatectomy	93	1.1	1.0	1.2	3.2	2.3	2.1	5.4	3.8	2.9
Cholecystectomy	49	2.0	2.1	*	4.1	3.9	*	4.1	5.4	*
Hysterectomy	13	0.0	0.6	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WILLIAM W BACKUS HOSPITAL

326 Washington St
Norwich, CT 06360

Medicare Provider Number: 070024

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,210	9.9	9.1	0.9	15.5	13.8	1.1	19.5	17.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	50	26.0	18.0	*	30.0	21.2	*	30.0	24.5	*
Congestive Heart Failure	101	14.9	14.6	3.6	28.7	23.0	6.4	36.6	29.9	7.8
Pneumonia/Influenza	144	16.0	17.3	4.0	24.3	23.5	3.8	27.8	28.6	3.8
Chronic Obstructive Pulmonary Disease	23	4.3	4.6	*	8.7	9.1	*	8.7	13.2	*
Transient Cerebral Ischemia	29	0.0	1.7	*	3.4	4.0	*	10.3	6.4	*
Stroke	96	20.8	20.1	4.2	30.2	27.3	4.8	38.5	31.9	6.2
Hip Fracture	57	1.8	5.1	4.1	8.8	9.4	4.2	14.0	12.5	5.0
Sepsis	14	28.6	28.6	*	35.7	36.2	*	35.7	42.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	4.4	*	20.0	9.6	*	20.0	14.3	*
Carotid Endarterectomy	2	0.0	1.6	*	0.0	3.6	*	0.0	5.6	*
Hip Replacement/Reconstruction	28	0.0	1.7	*	3.6	3.3	*	3.6	4.7	*
Open Reduction of Hip Fracture	18	0.0	4.3	*	5.6	8.3	*	5.6	11.3	*
Prostatectomy	96	2.1	0.9	1.4	4.2	2.2	2.2	4.2	3.6	2.0
Cholecystectomy	48	4.2	2.0	*	8.3	3.7	*	10.4	5.1	*
Hysterectomy	13	0.0	0.6	*	0.0	1.4	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	210
Occupancy Rate	79
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	97
Percent of Physicians Board Certified Specialists	82
Medical Residents/Interns	0
Registered Nurses	219
Licensed Practical Nurses	53

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WILLIAM W BACKUS HOSPITAL

Medicare Provider Number: 070024

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,198	9.7	9.1	0.7	14.2	13.9	0.8	17.1	17.7	0.9
CONDITIONS:										
Acute Myocardial Infarction	74	36.5	24.3	6.7	39.2	28.1	6.4	40.5	31.8	6.1
Congestive Heart Failure	112	16.1	15.7	5.3	25.9	23.7	4.4	30.4	30.3	4.6
Pneumonia/Influenza	159	18.2	17.3	3.3	23.3	23.4	3.4	27.0	28.2	3.7
Chronic Obstructive Pulmonary Disease	26	11.5	6.0	*	15.4	10.7	*	23.1	14.7	*
Transient Cerebral Ischemia	19	0.0	2.2	*	5.3	4.8	*	5.3	7.7	*
Stroke	84	16.7	17.6	4.5	19.0	24.3	7.3	23.8	28.7	8.4
Hip Fracture	56	3.6	5.6	4.5	10.7	10.5	4.5	14.3	13.9	4.6
Sepsis	23	21.7	24.8	*	26.1	33.0	*	30.4	39.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	1	0.0	1.7	*	0.0	3.9	*	0.0	5.8	*
Hip Replacement/Reconstruction	22	9.1	2.1	*	13.6	4.0	*	13.6	5.7	*
Open Reduction of Hip Fracture	23	0.0	5.0	*	4.3	9.8	*	4.3	13.2	*
Prostatectomy	99	1.0	1.0	1.1	1.0	2.5	1.8	1.0	4.1	2.7
Cholecystectomy	50	2.0	2.5	*	2.0	4.4	*	2.0	5.7	*
Hysterectomy	16	0.0	0.6	*	0.0	1.1	*	0.0	1.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,863	11.3	9.9	1.1	15.9	15.1	0.9	19.0	19.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	75	25.3	24.1	5.3	33.3	27.8	6.4	37.3	31.3	6.7
Congestive Heart Failure	105	20.0	15.2	7.3	27.6	23.5	7.0	31.4	30.5	5.1
Pneumonia/Influenza	123	23.6	18.9	4.7	30.9	25.5	5.2	33.3	30.8	4.5
Chronic Obstructive Pulmonary Disease	32	12.5	7.9	*	12.5	13.3	*	21.9	17.8	*
Transient Cerebral Ischemia	31	3.2	2.2	*	9.7	5.0	*	12.9	8.2	*
Stroke	79	24.1	18.1	6.6	26.6	25.2	5.2	30.4	29.8	5.2
Hip Fracture	56	0.0	6.9	5.2	5.4	12.6	6.6	10.7	16.3	6.4
Sepsis	12	41.7	25.6	*	50.0	34.6	*	50.0	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	3.7	*	12.5	7.4	*	12.5	10.7	*
Carotid Endarterectomy	1	0.0	0.9	*	0.0	1.7	*	0.0	2.4	*
Hip Replacement/Reconstruction	24	0.0	2.6	*	4.2	5.1	*	4.2	6.8	*
Open Reduction of Hip Fracture	11	0.0	5.1	*	9.1	9.8	*	9.1	13.0	*
Prostatectomy	81	0.0	1.3	1.8	2.5	3.2	2.3	6.2	5.5	2.8
Cholecystectomy	29	3.4	2.7	*	13.8	5.1	*	13.8	6.8	*
Hysterectomy	14	0.0	0.7	*	0.0	1.7	*	0.0	2.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

WINDHAM HOSPITAL

112 Mansfield Ave
Willimantic, CT 06226

Medicare Provider Number: 070021

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,199	8.3	10.5	1.4	14.7	15.9	1.7	18.0	20.0	1.7
CONDITIONS:										
Acute Myocardial Infarction	60	18.3	24.4	9.7	20.0	28.2	10.2	26.7	31.8	8.7
Congestive Heart Failure	52	7.7	16.5	7.1	17.3	25.7	9.5	23.1	33.0	9.1
Pneumonia/Influenza	75	8.0	17.7	6.8	20.0	24.0	6.5	26.7	28.8	6.3
Chronic Obstructive Pulmonary Disease	26	3.8	5.6	*	15.4	9.7	*	23.1	13.6	*
Transient Cerebral Ischemia	12	0.0	2.4	*	0.0	5.3	*	0.0	8.2	*
Stroke	48	22.9	22.4	*	29.2	28.9	*	33.3	33.4	*
Hip Fracture	30	6.7	9.0	*	13.3	15.1	*	13.3	18.7	*
Sepsis	16	6.3	28.5	*	18.8	36.1	*	18.8	41.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	7.5	*	0.0	11.5	*	0.0	15.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	21	0.0	4.8	*	0.0	8.7	*	0.0	11.5	*
Open Reduction of Hip Fracture	15	13.3	7.8	*	26.7	13.8	*	26.7	17.5	*
Prostatectomy	36	2.8	1.3	*	2.8	3.1	*	2.8	5.2	*
Cholecystectomy	22	4.5	2.8	*	4.5	5.1	*	4.5	7.0	*
Hysterectomy	15	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	126
Occupancy Rate	74
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	81
Percent of Physicians Board Certified Specialists	89
Medical Residents/Interns	0
Registered Nurses	111
Licensed Practical Nurses	36

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WINDHAM HOSPITAL

Medicare Provider Number: 070021

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,187	8.8	9.3	0.9	14.1	14.1	1.0	17.9	17.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	58	34.5	26.1	10.0	39.7	29.5	9.9	39.7	33.0	8.6
Congestive Heart Failure	72	9.7	17.2	7.3	15.3	26.1	8.8	26.4	33.2	7.9
Pneumonia/Influenza	40	17.5	14.3	*	17.5	19.9	*	17.5	24.2	*
Chronic Obstructive Pulmonary Disease	25	4.0	7.7	*	8.0	13.1	*	20.0	17.7	*
Transient Cerebral Ischemia	9	0.0	2.1	*	0.0	4.5	*	11.1	6.9	*
Stroke	40	25.0	20.6	*	32.5	28.0	*	37.5	32.9	*
Hip Fracture	31	6.5	7.1	*	16.1	12.6	*	25.8	16.1	*
Sepsis	14	28.6	26.9	*	35.7	34.7	*	42.9	40.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	4.6	*	0.0	7.6	*	0.0	10.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	19	0.0	4.1	*	5.3	7.8	*	15.8	10.2	*
Open Reduction of Hip Fracture	17	11.8	6.1	*	23.5	11.3	*	29.4	14.7	*
Prostatectomy	38	0.0	0.9	*	0.0	2.4	*	0.0	4.0	*
Cholecystectomy	21	0.0	2.2	*	0.0	4.1	*	9.5	5.4	*
Hysterectomy	9	0.0	2.5	*	0.0	4.2	*	0.0	5.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	979	11.1	9.9	1.2	17.7	14.8	1.9	21.5	18.6	2.0
CONDITIONS:										
Acute Myocardial Infarction	48	27.1	32.8	*	39.6	36.4	*	39.6	40.0	*
Congestive Heart Failure	46	17.4	15.9	*	37.0	24.4	*	41.3	31.5	*
Pneumonia/Influenza	60	21.7	17.3	7.2	30.0	23.9	6.6	30.0	29.1	5.9
Chronic Obstructive Pulmonary Disease	15	6.7	8.6	*	13.3	15.0	*	40.0	19.7	*
Transient Cerebral Ischemia	9	0.0	1.5	*	11.1	3.3	*	22.2	5.3	*
Stroke	35	22.9	19.0	*	28.6	25.2	*	28.6	29.7	*
Hip Fracture	25	0.0	5.2	*	12.0	10.2	*	20.0	14.1	*
Sepsis	12	41.7	35.0	*	66.7	45.5	*	66.7	53.0	*
PROCEDURES:										
Angioplasty	1	0.0	2.8	*	0.0	5.5	*	0.0	7.4	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	4.0	*	0.0	6.6	*	8.3	8.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	0.0	2.2	*	7.1	4.7	*	7.1	6.8	*
Open Reduction of Hip Fracture	13	0.0	5.1	*	15.4	10.4	*	30.8	14.6	*
Prostatectomy	36	0.0	0.9	*	5.6	2.1	*	13.9	3.5	*
Cholecystectomy	6	16.7	1.5	*	16.7	2.6	*	16.7	3.6	*
Hysterectomy	8	0.0	0.5	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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WINDHAM
HOSPITAL

December 31, 1990

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Hospital I.D. number: 070021

Dear Mrs. Kappert:

The following comments are provided in response to the FY 1989 mortality data compiled by the Health Care Financing Administration.

It is encouraging to note that HCFA continues to refine its methodology in determining predicted and observed mortality rates. As this type of data gains greater purity, it becomes a more meaningful source of information that may be analyzed by internal quality assessment committees.

At Windham Hospital, a critical analysis has been completed of all patients in the P6 (Open Reduction of Hip Fracture) category. As was true in the past, in certain cases secondary diagnoses of a morbid nature, ie: cancer, appear to be the more accurate cause of death, rather than the procedure for which the patient was admitted. Apparently, coding guidelines create certain restrictions that do not allow for consideration of "cancer without further treatment" when determining principle diagnosis and, subsequently, mortality category. This clearly creates a distortion in ascribing mortality rates.

In keeping with our usual quality assurance practice, a critical analysis will be completed of all other categories, as well.

We are pleased that you have allowed us the opportunity to review and comment on the 1989 HCFA mortality data prior to its general release. Thank you.

Very truly yours,

Fred Hyde, M.D.
President

WINDHAM COMMUNITY MEMORIAL HOSPITAL, INC AND HATCH HOSPITAL CORPORATION
203 423-9201 112 MANSFIELD AVENUE WILLIMANTIC, CT 06226

WINSTED MEMORIAL HOSPITAL

115 Spencer St
Winsted, CT 06098

Medicare Provider Number: 070026

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	528	8.5	9.7	2.0	14.0	14.9	2.7	17.2	18.9	2.9
CONDITIONS:										
Acute Myocardial Infarction	11	36.4	30.2	*	45.5	32.7	*	45.5	36.0	*
Congestive Heart Failure	29	10.3	16.5	*	13.8	25.2	*	20.7	32.3	*
Pneumonia/Influenza	26	11.5	13.0	*	19.2	17.9	*	34.6	21.9	*
Chronic Obstructive Pulmonary Disease	5	0.0	12.7	*	40.0	23.4	*	40.0	31.9	*
Transient Cerebral Ischemia	10	0.0	1.9	*	0.0	4.0	*	0.0	6.2	*
Stroke	30	23.3	20.3	*	26.7	28.0	*	33.3	32.7	*
Hip Fracture	13	15.4	8.2	*	23.1	14.6	*	23.1	18.8	*
Sepsis	8	25.0	28.9	*	25.0	37.3	*	37.5	44.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	7.0	*	33.3	11.7	*	33.3	15.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	2.6	*	11.1	5.5	*	11.1	7.9	*
Open Reduction of Hip Fracture	8	12.5	7.7	*	12.5	13.8	*	12.5	17.6	*
Prostatectomy	36	0.0	1.2	*	2.8	2.8	*	2.8	4.7	*
Cholecystectomy	7	14.3	2.4	*	14.3	3.5	*	14.3	4.1	*
Hysterectomy	9	0.0	0.7	*	0.0	1.6	*	11.1	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	60
Occupancy Rate	43
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	31
Percent of Physicians Board Certified Specialists	87
Medical Residents/Interns	0
Registered Nurses	52
Licensed Practical Nurses	13

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WINSTED MEMORIAL HOSPITAL

Medicare Provider Number: 070026

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	514	9.1	9.7	1.4	12.6	14.6	2.0	16.3	18.5	2.2
CONDITIONS:										
Acute Myocardial Infarction	22	18.2	34.2	*	22.7	37.3	*	27.3	40.8	*
Congestive Heart Failure	23	17.4	16.0	*	21.7	23.7	*	26.1	30.0	*
Pneumonia/Influenza	19	5.3	16.2	*	15.8	22.1	*	15.8	26.6	*
Chronic Obstructive Pulmonary Disease	6	0.0	11.0	*	0.0	18.0	*	0.0	23.6	*
Transient Cerebral Ischemia	5	0.0	2.2	*	0.0	4.7	*	0.0	7.5	*
Stroke	20	20.0	18.3	*	30.0	25.6	*	30.0	30.2	*
Hip Fracture	27	11.1	7.6	*	11.1	13.3	*	11.1	16.8	*
Sepsis	9	22.2	29.2	*	33.3	37.9	*	55.6	44.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	11.2	*	0.0	20.9	*	0.0	28.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	11.8	4.3	*	11.8	7.9	*	11.8	10.0	*
Open Reduction of Hip Fracture	14	7.1	6.5	*	7.1	12.0	*	7.1	15.5	*
Prostatectomy	29	0.0	1.6	*	3.4	4.0	*	3.4	6.5	*
Cholecystectomy	9	0.0	3.5	*	0.0	5.5	*	0.0	6.5	*
Hysterectomy	6	0.0	1.8	*	0.0	4.0	*	0.0	6.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	472	8.9	10.5	2.3	14.6	15.7	2.6	18.0	20.0	3.4
CONDITIONS:										
Acute Myocardial Infarction	12	33.3	31.6	*	41.7	36.3	*	41.7	40.4	*
Congestive Heart Failure	31	9.7	18.1	*	16.1	27.4	*	22.6	35.0	*
Pneumonia/Influenza	30	16.7	16.5	*	23.3	22.4	*	30.0	26.8	*
Chronic Obstructive Pulmonary Disease	11	18.2	11.0	*	18.2	17.7	*	18.2	22.9	*
Transient Cerebral Ischemia	9	0.0	1.9	*	0.0	4.2	*	0.0	6.8	*
Stroke	18	5.6	23.4	*	5.6	31.2	*	11.1	36.6	*
Hip Fracture	11	9.1	8.2	*	18.2	14.7	*	18.2	19.0	*
Sepsis	12	8.3	30.1	*	25.0	37.8	*	25.0	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	0.7	*	0.0	1.7	*	0.0	2.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	11.1	4.2	*	11.1	7.7	*	11.1	10.0	*
Open Reduction of Hip Fracture	3	0.0	11.7	*	33.3	22.6	*	33.3	29.9	*
Prostatectomy	23	0.0	1.5	*	4.3	3.5	*	4.3	5.5	*
Cholecystectomy	7	0.0	1.0	*	0.0	1.8	*	0.0	2.4	*
Hysterectomy	6	0.0	4.2	*	0.0	6.1	*	0.0	7.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WW2 VETERANS MEMORIAL HOSPITAL

883 Paddock Ave
Meriden, CT 06450

Medicare Provider Number: 070014

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	676	9.8	9.2	1.9	14.3	14.1	1.7	17.3	17.9	1.8
CONDITIONS:										
Acute Myocardial Infarction	23	34.8	24.0	*	34.8	26.7	*	34.8	29.6	*
Congestive Heart Failure	36	13.9	16.5	*	22.2	24.9	*	25.0	31.9	*
Pneumonia/Influenza	40	22.5	16.9	*	27.5	22.9	*	30.0	27.6	*
Chronic Obstructive Pulmonary Disease	18	5.6	14.7	*	5.6	20.9	*	11.1	25.8	*
Transient Cerebral Ischemia	10	0.0	2.0	*	10.0	4.2	*	10.0	6.7	*
Stroke	43	7.0	14.8	*	11.6	21.3	*	23.3	25.4	*
Hip Fracture	19	5.3	5.2	*	5.3	9.9	*	10.5	13.3	*
Sepsis	2	50.0	28.5	*	50.0	32.7	*	50.0	37.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.4	*	0.0	3.1	*	0.0	4.8	*
Carotid Endarterectomy	1	100.0	1.7	*	100.0	3.3	*	100.0	5.1	*
Hip Replacement/Reconstruction	13	7.7	3.5	*	7.7	6.9	*	7.7	9.4	*
Open Reduction of Hip Fracture	2	0.0	5.9	*	0.0	11.4	*	0.0	15.2	*
Prostatectomy	24	0.0	1.3	*	0.0	3.1	*	4.2	5.2	*
Cholecystectomy	10	0.0	2.1	*	0.0	3.3	*	0.0	4.3	*
Hysterectomy	1	0.0	0.6	*	0.0	1.1	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	92
Occupancy Rate	75
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	103
Percent of Physicians Board Certified Specialists	85
Medical Residents/Interns	0
Registered Nurses	105
Licensed Practical Nurses	17

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WW2 VETERANS MEMORIAL HOSPITAL

Medicare Provider Number: 070014

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	745	8.5	9.5	1.4	14.0	14.2	1.5	17.2	17.9	1.7
CONDITIONS:										
Acute Myocardial Infarction	27	22.2	26.5	*	22.2	29.6	*	25.9	33.2	*
Congestive Heart Failure	30	20.0	14.5	*	36.7	21.6	*	43.3	27.8	*
Pneumonia/Influenza	47	12.8	17.6	*	12.8	24.0	*	19.1	28.8	*
Chronic Obstructive Pulmonary Disease	15	6.7	8.6	*	6.7	13.9	*	6.7	18.5	*
Transient Cerebral Ischemia	14	0.0	2.1	*	0.0	4.7	*	7.1	7.4	*
Stroke	31	19.4	17.2	*	22.6	24.9	*	25.8	29.8	*
Hip Fracture	22	4.5	5.3	*	13.6	9.9	*	18.2	13.0	*
Sepsis	7	42.9	30.6	*	42.9	37.7	*	42.9	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	1	100.0	1.0	*	100.0	1.9	*	100.0	2.8	*
Hip Replacement/Reconstruction	11	0.0	3.6	*	9.1	7.3	*	18.2	10.0	*
Open Reduction of Hip Fracture	12	0.0	4.9	*	8.3	9.1	*	8.3	12.0	*
Prostatectomy	35	0.0	1.0	*	2.9	2.4	*	2.9	4.0	*
Cholecystectomy	15	0.0	3.2	*	0.0	5.6	*	0.0	6.9	*
Hysterectomy	2	0.0	0.1	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	688	6.7	8.9	1.4	10.5	13.4	1.7	13.4	17.1	2.0
CONDITIONS:										
Acute Myocardial Infarction	22	22.7	27.2	*	27.3	29.7	*	31.8	32.8	*
Congestive Heart Failure	43	11.6	16.8	*	20.9	24.2	*	23.3	30.7	*
Pneumonia/Influenza	33	3.0	16.5	*	9.1	21.9	*	12.1	26.2	*
Chronic Obstructive Pulmonary Disease	19	0.0	11.1	*	5.3	18.7	*	21.1	24.7	*
Transient Cerebral Ischemia	12	0.0	2.5	*	8.3	5.3	*	16.7	8.2	*
Stroke	23	21.7	18.3	*	30.4	25.4	*	34.8	29.9	*
Hip Fracture	24	20.8	5.8	*	25.0	10.4	*	29.2	13.5	*
Sepsis	3	0.0	20.4	*	0.0	26.2	*	0.0	31.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.3	*	0.0	4.4	*	0.0	6.3	*
Carotid Endarterectomy	5	0.0	1.6	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	14	21.4	4.1	*	21.4	7.8	*	28.6	10.4	*
Open Reduction of Hip Fracture	14	21.4	5.4	*	28.6	10.1	*	28.6	13.2	*
Prostatectomy	31	0.0	1.1	*	0.0	2.5	*	0.0	4.2	*
Cholecystectomy	17	0.0	2.7	*	0.0	4.2	*	0.0	5.1	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

YALE NEW HAVEN HOSPITAL

20 York St
New Haven, CT 06504

Medicare Provider Number: 070022

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,615	8.1	8.7	0.4	13.0	13.3	0.5	16.6	16.9	0.6
CONDITIONS:										
Acute Myocardial Infarction	200	19.0	22.6	3.2	25.5	26.1	3.4	26.5	29.5	3.4
Congestive Heart Failure	175	13.7	13.6	2.9	20.6	20.7	3.8	28.6	26.9	4.3
Pneumonia/Influenza	139	20.9	16.1	5.9	30.2	21.7	6.2	33.8	26.3	6.0
Chronic Obstructive Pulmonary Disease	39	20.5	9.0	*	28.2	14.4	*	28.2	19.0	*
Transient Cerebral Ischemia	38	0.0	1.5	*	5.3	3.3	*	7.9	5.2	*
Stroke	153	14.4	18.2	4.7	17.6	23.9	5.6	24.8	28.0	4.5
Hip Fracture	103	9.7	6.7	3.9	12.6	12.1	3.4	15.5	15.7	3.9
Sepsis	25	32.0	28.6	*	40.0	36.6	*	40.0	43.1	*
PROCEDURES:										
Angioplasty	116	2.6	2.8	1.6	2.6	3.7	2.1	5.2	4.9	2.0
Coronary Artery Bypass Graft	196	6.1	5.9	1.9	8.2	8.5	2.9	8.7	10.2	3.3
Initial Pacemaker Insertion	55	3.6	3.6	2.5	9.1	6.8	4.1	9.1	9.7	6.3
Carotid Endarterectomy	13	0.0	1.2	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	80	3.7	3.1	2.9	5.0	6.1	5.0	5.0	8.5	6.2
Open Reduction of Hip Fracture	60	10.0	6.2	5.4	13.3	11.7	5.9	18.3	15.3	7.4
Prostatectomy	129	0.8	1.2	1.1	3.9	3.0	1.7	5.4	5.1	2.1
Cholecystectomy	79	2.5	2.9	2.5	8.9	5.3	4.3	10.1	7.0	5.3
Hysterectomy	84	0.0	1.3	*	1.2	2.9	*	1.2	4.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	775
Occupancy Rate	85
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	1,088
Percent of Physicians Board Certified Specialists	83
Medical Residents/Interns	401
Registered Nurses	1,038
Licensed Practical Nurses	83

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

YALE NEW HAVEN HOSPITAL

Medicare Provider Number: 070022

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,301	9.7	9.9	0.5	15.4	14.9	0.7	19.2	18.8	0.6
CONDITIONS:										
Acute Myocardial Infarction	230	21.3	24.5	4.8	27.0	28.1	4.2	30.9	31.7	3.8
Congestive Heart Failure	138	19.6	15.8	4.5	30.4	23.7	6.3	39.1	30.4	7.4
Pneumonia/Influenza	121	22.3	17.8	5.5	30.6	23.7	6.0	33.9	28.4	6.4
Chronic Obstructive Pulmonary Disease	29	17.2	8.4	*	20.7	13.9	*	27.6	18.8	*
Transient Cerebral Ischemia	39	5.1	1.8	*	7.7	3.9	*	10.3	5.9	*
Stroke	166	22.3	22.3	3.6	30.7	28.7	3.7	36.7	33.2	4.7
Hip Fracture	115	6.1	6.4	2.3	13.9	11.8	3.5	20.9	15.3	4.6
Sepsis	28	46.4	26.5	*	53.6	35.0	*	67.9	41.5	*
PROCEDURES:										
Angioplasty	84	1.2	3.9	3.5	1.2	5.3	4.0	4.8	6.7	3.6
Coronary Artery Bypass Graft	185	9.2	8.0	2.4	12.4	11.4	2.6	13.5	13.3	2.5
Initial Pacemaker Insertion	41	2.4	4.6	*	2.4	7.9	*	7.3	10.7	*
Carotid Endarterectomy	13	0.0	1.8	*	7.7	3.5	*	7.7	5.3	*
Hip Replacement/Reconstruction	78	0.0	2.9	3.1	6.4	5.7	3.8	6.4	7.7	3.3
Open Reduction of Hip Fracture	59	8.5	6.3	3.4	15.3	11.9	6.5	25.4	15.7	8.7
Prostatectomy	90	1.1	0.9	1.0	1.1	2.1	2.2	4.4	3.6	2.2
Cholecystectomy	84	2.4	3.2	2.0	6.0	5.8	2.8	7.1	7.6	3.0
Hysterectomy	79	3.8	1.8	2.3	3.8	3.9	2.3	6.3	5.7	2.7

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,778	8.4	9.5	0.6	13.8	14.6	0.7	17.4	18.5	0.7
CONDITIONS:										
Acute Myocardial Infarction	187	20.3	22.4	3.5	26.2	26.2	3.3	29.4	29.8	3.4
Congestive Heart Failure	135	17.8	15.8	4.5	26.7	23.4	5.5	31.9	30.1	4.5
Pneumonia/Influenza	115	20.0	16.2	5.8	31.3	21.8	8.8	33.0	26.4	7.6
Chronic Obstructive Pulmonary Disease	31	9.7	10.4	*	9.7	17.2	*	16.1	22.7	*
Transient Cerebral Ischemia	31	0.0	1.9	*	6.5	3.9	*	12.9	6.1	*
Stroke	141	21.3	22.5	5.7	25.5	29.6	6.6	31.2	34.1	6.4
Hip Fracture	117	5.1	7.2	2.8	13.7	12.6	3.3	18.8	16.2	3.8
Sepsis	18	38.9	23.2	*	50.0	31.0	*	50.0	36.5	*
PROCEDURES:										
Angioplasty	51	0.0	5.4	6.3	0.0	7.1	8.2	3.9	8.7	6.7
Coronary Artery Bypass Graft	123	4.1	7.1	3.6	5.7	9.8	4.3	6.5	11.5	4.7
Initial Pacemaker Insertion	44	0.0	5.2	*	0.0	9.8	*	0.0	13.8	*
Carotid Endarterectomy	19	0.0	2.0	*	0.0	3.8	*	0.0	5.5	*
Hip Replacement/Reconstruction	45	2.2	4.2	*	6.7	7.8	*	8.9	10.2	*
Open Reduction of Hip Fracture	68	5.9	6.8	3.4	13.2	12.5	4.1	19.1	16.2	5.7
Prostatectomy	105	1.9	1.2	1.9	2.9	2.9	2.3	4.8	4.8	2.1
Cholecystectomy	71	4.2	4.4	2.6	7.0	8.3	3.5	8.5	11.2	4.4
Hysterectomy	52	1.9	1.4	1.7	3.8	3.1	2.5	7.7	4.8	3.4

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Maine

AUGUSTA MENTAL HEALTH INSTITUTE

Arsenal St
Augusta, ME 04330

Medicare Provider Number: 200058

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	43	0.0	3.5	*	2.3	5.6	*	4.7	7.5	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	2	0.0	9.5	*	0.0	15.4	*	0.0	20.8	*
Pneumonia/Influenza	3	0.0	12.4	*	0.0	18.4	*	0.0	23.2	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	1	0.0	22.7	*	0.0	30.1	*	0.0	35.5	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1986

Total Beds	16
Ownership/Control	State Government

STAFFING:

Medical Residents/Interns	0
Registered Nurses	6
Licensed Practical Nurses	1

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice	No
Intensive Care Unit	Yes
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

AUGUSTA MENTAL HEALTH INSTITUTE

Medicare Provider Number: 200058

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	56	12.5	5.0	6.6	14.3	8.4	6.6	16.1	11.2	6.5
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	2	50.0	10.0	*	50.0	15.1	*	50.0	20.1	*
Pneumonia/Influenza	10	20.0	9.2	*	20.0	12.7	*	20.0	16.0	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	2	0.0	1.3	*	0.0	2.8	*	0.0	4.3	*
Stroke	0									
Hip Fracture	0									
Sepsis	1	0.0	19.1	*	0.0	32.1	*	0.0	39.4	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	36	2.8	4.0	*	5.6	6.6	*	8.3	9.0	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	100.0	9.0	*	100.0	13.5	*	100.0	18.0	*
Pneumonia/Influenza	4	0.0	5.6	*	25.0	8.0	*	25.0	10.4	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	1	0.0	8.8	*	0.0	13.2	*	0.0	16.3	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BATH MEMORIAL HOSPITAL

23 Winship St
Bath, ME 04530

Medicare Provider Number: 200021

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	398	11.3	8.6	2.0	14.1	13.2	2.0	18.3	16.9	2.2
CONDITIONS:										
Acute Myocardial Infarction	14	28.6	24.9	*	35.7	28.9	*	35.7	32.7	*
Congestive Heart Failure	27	22.2	16.7	*	25.9	25.6	*	33.3	32.9	*
Pneumonia/Influenza	18	16.7	13.3	*	16.7	18.5	*	22.2	22.8	*
Chronic Obstructive Pulmonary Disease	5	0.0	6.8	*	0.0	11.9	*	0.0	16.6	*
Transient Cerebral Ischemia	6	0.0	1.5	*	16.7	3.4	*	16.7	5.5	*
Stroke	11	27.3	16.1	*	36.4	21.9	*	36.4	25.8	*
Hip Fracture	11	9.1	7.1	*	9.1	13.5	*	9.1	17.7	*
Sepsis	3	100.0	31.8	*	100.0	43.0	*	100.0	50.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	1.7	*	0.0	4.0	*	0.0	6.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	1.2	*	0.0	2.5	*	0.0	3.7	*
Open Reduction of Hip Fracture	11	9.1	6.2	*	9.1	12.2	*	9.1	16.5	*
Prostatectomy	8	0.0	1.1	*	0.0	2.7	*	12.5	4.7	*
Cholecystectomy	8	0.0	2.2	*	0.0	3.9	*	0.0	5.0	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	55
Occupancy Rate	49
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	38
Percent of Physicians Board Certified Specialists	76
Medical Residents/Interns	0
Registered Nurses	66
Licensed Practical Nurses	18

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BATH MEMORIAL HOSPITAL

Medicare Provider Number: 200021

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	421	12.4	8.0	1.9	17.1	12.1	2.3	19.2	15.4	2.3
CONDITIONS:										
Acute Myocardial Infarction	19	36.8	26.5	*	36.8	29.8	*	36.8	33.3	*
Congestive Heart Failure	17	35.3	14.9	*	41.2	21.7	*	47.1	27.9	*
Pneumonia/Influenza	16	25.0	16.7	*	25.0	22.7	*	25.0	27.3	*
Chronic Obstructive Pulmonary Disease	13	23.1	9.0	*	38.5	14.9	*	46.2	19.9	*
Transient Cerebral Ischemia	5	0.0	1.6	*	0.0	3.3	*	0.0	5.2	*
Stroke	17	29.4	17.8	*	58.8	26.0	*	58.8	31.1	*
Hip Fracture	17	0.0	5.6	*	0.0	10.7	*	0.0	14.2	*
Sepsis	1	0.0	25.2	*	0.0	30.8	*	0.0	37.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	50.0	15.1	*	50.0	25.7	*	50.0	34.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	3.3	*	0.0	6.6	*	0.0	9.0	*
Open Reduction of Hip Fracture	9	0.0	6.0	*	0.0	11.6	*	0.0	15.6	*
Prostatectomy	6	16.7	0.5	*	16.7	1.3	*	16.7	2.3	*
Cholecystectomy	7	0.0	2.0	*	0.0	3.9	*	0.0	4.9	*
Hysterectomy	3	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	376	9.8	8.6	1.9	15.2	13.0	2.8	19.9	16.4	3.2
CONDITIONS:										
Acute Myocardial Infarction	18	33.3	21.1	*	33.3	25.3	*	38.9	29.3	*
Congestive Heart Failure	21	19.0	16.3	*	33.3	24.5	*	42.9	31.4	*
Pneumonia/Influenza	15	20.0	15.3	*	40.0	21.5	*	40.0	26.4	*
Chronic Obstructive Pulmonary Disease	10	30.0	11.7	*	30.0	18.9	*	40.0	24.2	*
Transient Cerebral Ischemia	4	0.0	2.6	*	0.0	6.1	*	25.0	10.0	*
Stroke	12	33.3	24.1	*	41.7	30.8	*	50.0	35.5	*
Hip Fracture	16	6.3	4.7	*	12.5	8.6	*	12.5	11.4	*
Sepsis	3	0.0	23.5	*	33.3	28.4	*	33.3	33.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.6	*	0.0	6.1	*	0.0	9.9	*
Carotid Endarterectomy	1	0.0	2.0	*	0.0	3.8	*	0.0	5.6	*
Hip Replacement/Reconstruction	5	0.0	4.4	*	0.0	8.3	*	0.0	10.9	*
Open Reduction of Hip Fracture	9	0.0	3.6	*	11.1	7.3	*	11.1	10.2	*
Prostatectomy	8	0.0	1.4	*	0.0	3.7	*	0.0	6.3	*
Cholecystectomy	6	0.0	1.6	*	0.0	2.7	*	0.0	3.5	*
Hysterectomy	4	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BLUE HILL MEMORIAL HOSPITAL

Water St
Blue Hill, ME 04614

Medicare Provider Number: 200051

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	300	10.3	9.3	2.1	12.3	13.7	2.3	17.0	17.3	2.3
CONDITIONS:										
Acute Myocardial Infarction	13	23.1	27.5	*	23.1	30.2	*	30.8	33.3	*
Congestive Heart Failure	15	20.0	17.3	*	20.0	25.8	*	20.0	33.2	*
Pneumonia/Influenza	20	15.0	14.9	*	15.0	20.6	*	25.0	25.0	*
Chronic Obstructive Pulmonary Disease	5	0.0	9.5	*	0.0	15.3	*	0.0	20.0	*
Transient Cerebral Ischemia	4	0.0	1.5	*	0.0	3.5	*	0.0	5.7	*
Stroke	10	30.0	24.5	*	40.0	30.8	*	40.0	35.5	*
Hip Fracture	1	0.0	4.6	*	0.0	9.1	*	0.0	12.6	*
Sepsis	5	20.0	24.6	*	20.0	31.8	*	20.0	38.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	4	0.0	0.7	*	0.0	1.7	*	0.0	2.8	*
Cholecystectomy	7	0.0	2.7	*	0.0	4.9	*	14.3	6.7	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	26
Occupancy Rate	65
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	16
Percent of Physicians Board Certified Specialists	100
Medical Residents/Interns	0
Registered Nurses	32
Licensed Practical Nurses	11

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BLUE HILL MEMORIAL HOSPITAL

Medicare Provider Number: 200051

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	313	7.7	10.0	2.1	11.5	14.6	2.6	14.1	18.3	2.8
CONDITIONS:										
Acute Myocardial Infarction	10	20.0	32.0	*	20.0	35.3	*	20.0	38.6	*
Congestive Heart Failure	12	8.3	16.5	*	25.0	24.6	*	25.0	31.4	*
Pneumonia/Influenza	24	4.2	15.6	*	8.3	21.4	*	16.7	25.8	*
Chronic Obstructive Pulmonary Disease	6	0.0	8.0	*	0.0	15.6	*	16.7	22.2	*
Transient Cerebral Ischemia	3	0.0	1.7	*	0.0	3.6	*	0.0	5.7	*
Stroke	12	8.3	24.2	*	16.7	32.9	*	25.0	38.9	*
Hip Fracture	2	50.0	5.7	*	50.0	11.1	*	50.0	14.6	*
Sepsis	6	16.7	27.2	*	16.7	34.4	*	16.7	40.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	7	0.0	1.4	*	0.0	3.0	*	0.0	4.4	*
Cholecystectomy	5	0.0	1.7	*	0.0	2.8	*	0.0	3.5	*
Hysterectomy	3	0.0	1.0	*	33.3	2.3	*	33.3	3.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	301	10.3	9.3	1.9	14.0	14.4	2.1	18.6	18.5	2.3
CONDITIONS:										
Acute Myocardial Infarction	12	41.7	25.1	*	41.7	28.4	*	41.7	31.9	*
Congestive Heart Failure	20	5.0	16.2	*	25.0	24.3	*	35.0	31.5	*
Pneumonia/Influenza	15	13.3	14.6	*	13.3	19.9	*	13.3	24.2	*
Chronic Obstructive Pulmonary Disease	3	0.0	9.9	*	0.0	17.1	*	0.0	23.5	*
Transient Cerebral Ischemia	3	0.0	1.7	*	0.0	3.2	*	0.0	4.9	*
Stroke	12	25.0	24.7	*	25.0	31.9	*	33.3	37.2	*
Hip Fracture	1	0.0	5.2	*	0.0	8.9	*	0.0	11.9	*
Sepsis	1	0.0	22.3	*	0.0	26.6	*	0.0	31.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	12	0.0	0.9	*	0.0	2.1	*	8.3	3.4	*
Cholecystectomy	3	0.0	3.5	*	0.0	8.1	*	0.0	12.0	*
Hysterectomy	2	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BRIGHTON MEDICAL CENTER

335 Brighton Ave
Portland, ME 04101

Medicare Provider Number: 200017

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,245	8.0	8.3	1.1	13.2	13.2	1.5	16.5	17.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	36	22.2	25.3	*	30.6	28.9	*	33.3	32.6	*
Congestive Heart Failure	56	16.1	14.3	5.3	25.0	22.5	6.3	30.4	29.2	6.4
Pneumonia/Influenza	47	6.4	15.0	*	10.6	20.3	*	17.0	24.6	*
Chronic Obstructive Pulmonary Disease	34	11.8	7.5	*	17.6	13.5	*	26.5	18.8	*
Transient Cerebral Ischemia	10	0.0	1.7	*	0.0	3.6	*	10.0	5.7	*
Stroke	40	5.0	21.6	*	17.5	28.3	*	25.0	32.8	*
Hip Fracture	39	5.1	6.3	*	7.7	11.4	*	17.9	15.0	*
Sepsis	8	12.5	38.3	*	50.0	48.7	*	62.5	55.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	3	0.0	2.2	*	0.0	5.2	*	0.0	8.2	*
Hip Replacement/Reconstruction	22	4.5	5.1	*	9.1	10.3	*	13.6	14.6	*
Open Reduction of Hip Fracture	20	5.0	5.5	*	5.0	10.4	*	15.0	13.8	*
Prostatectomy	26	7.7	1.1	*	11.5	2.9	*	11.5	5.0	*
Cholecystectomy	21	4.8	1.5	*	4.8	2.4	*	4.8	3.1	*
Hysterectomy	10	0.0	0.4	*	0.0	0.8	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	132
Occupancy Rate	71
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	95
Percent of Physicians Board Certified Specialists	64
Medical Residents/Interns	20
Registered Nurses	178
Licensed Practical Nurses	26

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BRIGHTON MEDICAL CENTER

Medicare Provider Number: 200017

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,218	9.5	9.1	1.0	15.0	14.3	1.1	19.0	18.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	43	48.8	31.1	*	51.2	34.5	*	51.2	38.3	*
Congestive Heart Failure	62	16.1	15.1	6.8	22.6	23.2	6.4	33.9	29.8	8.0
Pneumonia/Influenza	44	6.8	17.9	*	20.5	23.8	*	22.7	28.4	*
Chronic Obstructive Pulmonary Disease	32	9.4	8.8	*	9.4	15.2	*	21.9	20.7	*
Transient Cerebral Ischemia	16	6.3	2.3	*	6.3	4.8	*	6.3	7.4	*
Stroke	40	15.0	19.8	*	22.5	26.8	*	22.5	31.4	*
Hip Fracture	34	8.8	6.7	*	20.6	11.9	*	20.6	15.1	*
Sepsis	11	27.3	31.7	*	45.5	41.6	*	45.5	48.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	10	0.0	2.0	*	0.0	3.9	*	0.0	5.7	*
Hip Replacement/Reconstruction	22	0.0	2.7	*	4.5	5.2	*	13.6	7.0	*
Open Reduction of Hip Fracture	14	0.0	6.3	*	14.3	11.5	*	14.3	14.7	*
Prostatectomy	38	0.0	0.8	*	2.6	2.1	*	2.6	3.4	*
Cholecystectomy	16	6.3	3.2	*	12.5	6.4	*	12.5	8.4	*
Hysterectomy	9	0.0	0.8	*	0.0	1.6	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,253	8.9	9.2	1.1	13.4	14.2	1.3	16.8	18.1	1.7
CONDITIONS:										
Acute Myocardial Infarction	46	41.3	28.1	*	43.5	31.4	*	43.5	34.7	*
Congestive Heart Failure	52	17.3	17.8	5.3	26.9	27.3	6.2	36.5	34.7	7.7
Pneumonia/Influenza	53	9.4	14.9	7.4	13.2	20.5	10.5	17.0	24.9	11.8
Chronic Obstructive Pulmonary Disease	30	26.7	12.8	*	26.7	20.2	*	26.7	25.5	*
Transient Cerebral Ischemia	21	0.0	2.3	*	0.0	4.8	*	4.8	7.5	*
Stroke	43	4.7	23.1	*	18.6	31.0	*	20.9	35.8	*
Hip Fracture	38	15.8	7.4	*	23.7	13.1	*	23.7	16.9	*
Sepsis	9	55.6	31.7	*	77.8	42.4	*	88.9	49.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	7.0	*	25.0	12.1	*	25.0	15.7	*
Carotid Endarterectomy	4	0.0	1.8	*	0.0	3.1	*	0.0	4.4	*
Hip Replacement/Reconstruction	27	3.7	3.0	*	7.4	5.5	*	7.4	7.2	*
Open Reduction of Hip Fracture	17	17.6	7.2	*	29.4	13.4	*	29.4	17.4	*
Prostatectomy	32	3.1	1.7	*	3.1	4.1	*	9.4	6.6	*
Cholecystectomy	19	5.3	2.9	*	5.3	5.2	*	5.3	6.7	*
Hysterectomy	3	0.0	0.2	*	0.0	0.3	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CALAIS REGIONAL HOSPITAL

50 Franklin St
Calais, ME 04619

Medicare Provider Number: 200055

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	351	9.4	12.3	3.1	15.1	17.8	3.4	20.2	22.0	3.6
CONDITIONS:										
Acute Myocardial Infarction	26	26.9	27.9	*	26.9	31.9	*	34.6	35.7	*
Congestive Heart Failure	31	6.5	18.5	*	22.6	27.9	*	22.6	34.9	*
Pneumonia/Influenza	34	2.9	16.6	*	8.8	22.9	*	17.6	27.7	*
Chronic Obstructive Pulmonary Disease	7	0.0	7.6	*	0.0	12.8	*	14.3	17.5	*
Transient Cerebral Ischemia	2	0.0	1.3	*	0.0	2.8	*	0.0	4.4	*
Stroke	9	11.1	14.4	*	22.2	20.2	*	22.2	24.3	*
Hip Fracture	0									
Sepsis	7	14.3	38.8	*	14.3	48.4	*	57.1	56.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	2	0.0	1.1	*	0.0	2.0	*	0.0	2.6	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	77
Occupancy Rate	33
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	9
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	0
Registered Nurses	29
Licensed Practical Nurses	8

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CALAIS REGIONAL HOSPITAL

Medicare Provider Number: 200055

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	405	14.3	12.8	1.8	20.2	19.2	2.0	23.5	24.0	2.1
CONDITIONS:										
Acute Myocardial Infarction	24	33.3	25.1	*	41.7	29.7	*	50.0	33.8	*
Congestive Heart Failure	28	21.4	17.4	*	35.7	27.2	*	35.7	34.8	*
Pneumonia/Influenza	29	6.9	19.5	*	17.2	26.6	*	17.2	32.0	*
Chronic Obstructive Pulmonary Disease	11	0.0	8.1	*	0.0	15.3	*	0.0	21.3	*
Transient Cerebral Ischemia	3	0.0	1.6	*	0.0	3.7	*	0.0	6.2	*
Stroke	15	40.0	16.5	*	40.0	22.2	*	40.0	26.7	*
Hip Fracture	0									
Sepsis	8	62.5	43.2	*	62.5	52.7	*	62.5	61.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	5	0.0	1.2	*	0.0	2.1	*	0.0	2.8	*
Hysterectomy	4	0.0	0.7	*	25.0	1.1	*	25.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	402	12.7	13.3	2.2	16.9	19.1	2.8	20.4	23.5	3.0
CONDITIONS:										
Acute Myocardial Infarction	25	20.0	23.7	*	20.0	27.3	*	28.0	30.9	*
Congestive Heart Failure	30	10.0	19.9	*	20.0	30.8	*	26.7	39.2	*
Pneumonia/Influenza	34	11.8	19.2	*	14.7	26.0	*	23.5	31.4	*
Chronic Obstructive Pulmonary Disease	6	0.0	10.2	*	0.0	17.6	*	16.7	23.3	*
Transient Cerebral Ischemia	5	0.0	2.3	*	0.0	4.9	*	0.0	7.6	*
Stroke	13	38.5	19.1	*	53.8	25.0	*	53.8	29.4	*
Hip Fracture	5	20.0	7.5	*	20.0	14.8	*	20.0	20.0	*
Sepsis	4	50.0	42.3	*	50.0	47.7	*	50.0	53.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	4	0.0	1.4	*	0.0	2.4	*	0.0	3.1	*
Hysterectomy	2	0.0	0.3	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CARY MEDICAL CENTER

Mra Van Buren Rd
Caribou, ME 04736

Medicare Provider Number: 200031

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	713	7.6	6.0	1.2	11.1	9.6	1.5	14.7	12.5	1.9
CONDITIONS:										
Acute Myocardial Infarction	22	18.2	24.5	*	22.7	27.5	*	27.3	30.4	*
Congestive Heart Failure	38	10.5	11.5	*	21.1	19.0	*	28.9	25.2	*
Pneumonia/Influenza	32	12.5	12.2	*	15.6	17.9	*	18.8	22.0	*
Chronic Obstructive Pulmonary Disease	12	0.0	3.4	*	0.0	6.7	*	0.0	9.7	*
Transient Cerebral Ischemia	9	0.0	1.1	*	0.0	2.1	*	0.0	3.2	*
Stroke	17	11.8	14.7	*	11.8	21.9	*	17.6	26.1	*
Hip Fracture	13	0.0	5.8	*	0.0	10.6	*	0.0	14.0	*
Sepsis	7	57.1	26.0	*	57.1	33.5	*	57.1	40.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	4.2	*	0.0	8.6	*	50.0	12.4	*
Carotid Endarterectomy	15	0.0	1.2	*	0.0	2.1	*	0.0	3.1	*
Hip Replacement/Reconstruction	9	0.0	4.1	*	0.0	5.8	*	0.0	7.5	*
Open Reduction of Hip Fracture	9	0.0	5.8	*	0.0	11.0	*	0.0	14.5	*
Prostatectomy	43	0.0	0.7	*	2.3	1.8	*	4.7	3.2	*
Cholecystectomy	19	5.3	2.2	*	10.5	4.0	*	10.5	5.2	*
Hysterectomy	7	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	74
Occupancy Rate	78
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	26
Percent of Physicians Board Certified Specialists	58
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CARY MEDICAL CENTER

Medicare Provider Number: 200031

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	735	9.9	8.6	1.8	14.4	12.6	1.8	17.3	15.8	1.8
CONDITIONS:										
Acute Myocardial Infarction	35	37.1	31.8	*	37.1	34.9	*	37.1	38.2	*
Congestive Heart Failure	40	22.5	16.1	*	27.5	24.7	*	35.0	31.7	*
Pneumonia/Influenza	30	20.0	17.1	*	26.7	24.0	*	30.0	29.1	*
Chronic Obstructive Pulmonary Disease	4	25.0	7.2	*	50.0	11.6	*	50.0	15.9	*
Transient Cerebral Ischemia	12	0.0	1.5	*	0.0	3.5	*	16.7	5.6	*
Stroke	22	4.5	18.2	*	18.2	24.7	*	18.2	29.1	*
Hip Fracture	14	7.1	5.1	*	21.4	9.5	*	28.6	12.4	*
Sepsis	4	75.0	33.7	*	75.0	39.6	*	75.0	46.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	100.0	24.3	*	100.0	28.2	*	100.0	32.2	*
Carotid Endarterectomy	3	0.0	1.5	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	10	0.0	1.8	*	0.0	3.5	*	0.0	4.7	*
Open Reduction of Hip Fracture	9	0.0	4.0	*	22.2	7.8	*	22.2	10.3	*
Prostatectomy	25	0.0	1.1	*	0.0	2.5	*	0.0	3.9	*
Cholecystectomy	17	5.9	4.4	*	5.9	6.4	*	11.8	7.7	*
Hysterectomy	12	0.0	0.6	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	654	9.2	8.0	1.5	13.9	12.3	2.0	17.1	15.7	1.9
CONDITIONS:										
Acute Myocardial Infarction	23	47.8	29.2	*	47.8	31.9	*	47.8	35.0	*
Congestive Heart Failure	37	16.2	18.2	*	27.0	27.5	*	29.7	35.1	*
Pneumonia/Influenza	12	16.7	17.4	*	16.7	23.6	*	16.7	28.6	*
Chronic Obstructive Pulmonary Disease	1	0.0	3.5	*	0.0	6.1	*	0.0	8.6	*
Transient Cerebral Ischemia	12	0.0	1.5	*	0.0	3.1	*	8.3	4.8	*
Stroke	21	14.3	17.8	*	23.8	25.2	*	33.3	29.9	*
Hip Fracture	14	0.0	7.8	*	7.1	13.6	*	14.3	17.2	*
Sepsis	4	25.0	19.6	*	50.0	28.8	*	50.0	35.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	5.6	*	0.0	11.7	*	0.0	17.4	*
Carotid Endarterectomy	7	0.0	1.6	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	6	0.0	3.9	*	0.0	7.6	*	0.0	10.2	*
Open Reduction of Hip Fracture	8	0.0	6.9	*	12.5	12.7	*	12.5	16.3	*
Prostatectomy	19	0.0	0.8	*	0.0	1.9	*	0.0	3.2	*
Cholecystectomy	17	0.0	2.3	*	0.0	3.9	*	5.9	5.0	*
Hysterectomy	8	0.0	0.4	*	0.0	0.8	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CENTRAL MAINE MEDICAL CENTER

300 Main St
Lewiston, ME 04240

Medicare Provider Number: 200024

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	1,792	9.9	9.2	0.8	14.4	14.3	0.8	18.2	18.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	41	36.6	31.7	*	41.5	35.7	*	48.8	39.4	*
Congestive Heart Failure	79	27.8	15.9	6.4	34.2	24.6	6.4	43.0	31.8	6.9
Pneumonia/Influenza	61	13.1	15.8	5.2	14.8	21.3	7.3	18.0	25.7	8.5
Chronic Obstructive Pulmonary Disease	26	0.0	9.7	*	0.0	14.7	*	3.8	19.3	*
Transient Cerebral Ischemia	25	4.0	2.2	*	8.0	4.9	*	8.0	7.9	*
Stroke	72	16.7	18.9	5.4	20.8	25.0	7.0	25.0	29.1	7.2
Hip Fracture	50	8.0	8.0	*	12.0	14.4	*	16.0	18.5	*
Sepsis	14	14.3	21.2	*	14.3	28.0	*	21.4	33.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	3.0	*	0.0	6.1	*	7.1	9.1	*
Carotid Endarterectomy	11	0.0	1.2	*	0.0	2.2	*	0.0	3.3	*
Hip Replacement/Reconstruction	48	6.3	3.8	*	6.3	7.4	*	8.3	10.1	*
Open Reduction of Hip Fracture	23	8.7	8.0	*	17.4	14.3	*	21.7	18.1	*
Prostatectomy	57	3.5	1.0	2.5	3.5	2.6	2.6	3.5	4.5	3.4
Cholecystectomy	41	2.4	2.5	*	4.9	4.6	*	7.3	6.1	*
Hysterectomy	25	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	250
Occupancy Rate	61
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	124
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	12
Registered Nurses	239
Licensed Practical Nurses	81

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CENTRAL MAINE MEDICAL CENTER

Medicare Provider Number: 200024

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,863	8.4	9.4	1.0	13.6	14.6	1.4	17.4	18.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	45	20.0	30.6	*	22.2	33.9	*	24.4	37.4	*
Congestive Heart Failure	83	12.0	15.4	5.4	27.7	23.3	6.2	28.9	29.9	7.5
Pneumonia/Influenza	58	20.7	16.2	6.0	24.1	22.0	5.7	24.1	26.6	6.1
Chronic Obstructive Pulmonary Disease	37	10.8	9.9	*	13.5	16.4	*	21.6	21.8	*
Transient Cerebral Ischemia	34	0.0	1.6	*	0.0	3.5	*	0.0	5.4	*
Stroke	76	11.8	19.9	6.1	15.8	26.3	7.2	18.4	30.9	7.9
Hip Fracture	34	8.8	8.0	*	11.8	14.3	*	14.7	18.2	*
Sepsis	8	0.0	16.8	*	0.0	21.4	*	0.0	26.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	12.5	*	13.3	16.7	*	13.3	20.6	*
Carotid Endarterectomy	7	0.0	1.1	*	0.0	2.1	*	0.0	3.1	*
Hip Replacement/Reconstruction	31	0.0	3.6	*	3.2	6.7	*	6.5	8.8	*
Open Reduction of Hip Fracture	19	10.5	6.1	*	10.5	11.6	*	10.5	15.3	*
Prostatectomy	41	0.0	1.0	*	2.4	2.3	*	2.4	3.6	*
Cholecystectomy	32	12.5	3.0	*	12.5	5.7	*	12.5	7.6	*
Hysterectomy	16	0.0	1.0	*	0.0	2.1	*	0.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,865	9.6	9.4	0.9	14.9	14.6	1.3	19.8	18.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	57	29.8	26.0	8.6	31.6	29.4	7.8	31.6	32.9	7.3
Congestive Heart Failure	85	23.5	16.8	5.5	29.4	24.7	6.8	43.5	31.5	8.7
Pneumonia/Influenza	55	12.7	17.4	5.8	21.8	23.3	7.3	30.9	28.0	7.5
Chronic Obstructive Pulmonary Disease	32	9.4	9.6	*	15.6	16.2	*	21.9	21.7	*
Transient Cerebral Ischemia	45	0.0	1.9	*	0.0	4.1	*	2.2	6.5	*
Stroke	76	14.5	19.6	6.2	21.1	26.6	8.5	25.0	31.3	8.0
Hip Fracture	52	7.7	7.8	5.1	17.3	13.8	5.8	17.3	17.6	6.1
Sepsis	17	35.3	31.3	*	41.2	40.1	*	41.2	46.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	3.5	*	20.0	6.4	*	20.0	8.9	*
Carotid Endarterectomy	10	0.0	1.3	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	40	5.0	4.1	*	12.5	7.5	*	12.5	9.9	*
Open Reduction of Hip Fracture	29	6.9	7.3	*	17.2	13.6	*	17.2	17.6	*
Prostatectomy	62	3.2	1.1	2.0	6.5	2.6	3.6	9.7	4.4	5.9
Cholecystectomy	28	7.1	4.7	*	10.7	8.6	*	14.3	11.2	*
Hysterectomy	18	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CHARLES A DEAN MEMORIAL HOSPITAL

Pritham Ave
Greenville Junction, ME 044

Medicare Provider Number: 200023

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	102	5.9	10.4	4.8	14.7	15.7	3.7	20.6	20.0	4.1
CONDITIONS:										
Acute Myocardial Infarction	4	0.0	13.3	*	25.0	16.2	*	25.0	19.2	*
Congestive Heart Failure	8	12.5	11.9	*	25.0	19.4	*	62.5	25.9	*
Pneumonia/Influenza	12	8.3	17.8	*	8.3	24.4	*	16.7	29.2	*
Chronic Obstructive Pulmonary Disease	3	0.0	8.6	*	33.3	14.5	*	33.3	19.9	*
Transient Cerebral Ischemia	0									
Stroke	6	0.0	26.4	*	16.7	34.5	*	16.7	40.5	*
Hip Fracture	1	0.0	7.6	*	0.0	14.6	*	0.0	20.0	*
Sepsis	1	0.0	57.1	*	100.0	64.8	*	100.0	71.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	1	0.0	1.0	*	0.0	1.5	*	0.0	1.9	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds	40
Ownership/Control	Private, Non-Profit

STAFFING:

Medical Residents/Interns	0
Registered Nurses	5
Licensed Practical Nurses	0

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	No
Hospice	No
Intensive Care Unit	No
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

CHARLES A DEAN MEMORIAL HOSPITAL

Medicare Provider Number: 200023

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	120	8.3	10.8	3.1	15.0	15.6	3.8	20.0	19.8	3.8
CONDITIONS:										
Acute Myocardial Infarction	9	22.2	28.1	*	33.3	31.1	*	33.3	34.9	*
Congestive Heart Failure	6	16.7	13.8	*	16.7	21.7	*	33.3	28.2	*
Pneumonia/Influenza	8	0.0	10.3	*	0.0	14.3	*	0.0	17.8	*
Chronic Obstructive Pulmonary Disease	2	0.0	11.7	*	0.0	18.5	*	0.0	24.9	*
Transient Cerebral Ischemia	2	0.0	1.5	*	0.0	3.7	*	0.0	6.0	*
Stroke	7	14.3	16.2	*	42.9	21.3	*	42.9	25.4	*
Hip Fracture	0									
Sepsis	1	0.0	56.0	*	0.0	61.3	*	0.0	67.3	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	99	10.1	11.1	3.2	13.1	16.1	3.9	15.2	20.2	4.5
CONDITIONS:										
Acute Myocardial Infarction	5	0.0	31.3	*	0.0	35.1	*	0.0	39.4	*
Congestive Heart Failure	6	16.7	17.3	*	33.3	26.0	*	33.3	33.3	*
Pneumonia/Influenza	10	20.0	15.9	*	30.0	21.3	*	40.0	25.6	*
Chronic Obstructive Pulmonary Disease	10	0.0	8.7	*	0.0	13.9	*	0.0	17.9	*
Transient Cerebral Ischemia	1	0.0	1.2	*	0.0	2.6	*	0.0	4.0	*
Stroke	5	20.0	16.2	*	20.0	21.8	*	20.0	26.1	*
Hip Fracture	0									
Sepsis	1	0.0	22.2	*	0.0	35.8	*	0.0	43.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

DOWN EAST COMMUNITY HOSPITAL

Upper Court St
Machias, ME 04654

Medicare Provider Number: 200027

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	360	10.8	13.1	2.6	15.3	18.1	3.4	18.6	22.0	3.6
CONDITIONS:										
Acute Myocardial Infarction	21	19.0	27.7	*	19.0	30.8	*	28.6	34.3	*
Congestive Heart Failure	15	6.7	17.9	*	13.3	27.1	*	26.7	34.5	*
Pneumonia/Influenza	32	15.6	18.7	*	25.0	25.3	*	31.3	30.4	*
Chronic Obstructive Pulmonary Disease	7	0.0	10.7	*	0.0	19.3	*	14.3	26.5	*
Transient Cerebral Ischemia	3	0.0	2.3	*	0.0	5.2	*	0.0	8.5	*
Stroke	11	9.1	21.9	*	27.3	28.2	*	27.3	32.7	*
Hip Fracture	12	0.0	6.1	*	0.0	11.2	*	0.0	14.8	*
Sepsis	9	22.2	27.9	*	22.2	34.9	*	22.2	40.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	6.1	*	100.0	8.9	*	100.0	11.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	4.5	*	0.0	8.6	*	0.0	11.5	*
Open Reduction of Hip Fracture	10	0.0	5.0	*	0.0	9.5	*	0.0	12.9	*
Prostatectomy	0									
Cholecystectomy	1	0.0	1.0	*	0.0	1.8	*	0.0	2.3	*
Hysterectomy	1	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	38
Occupancy Rate	63
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	21
Percent of Physicians Board Certified Specialists	48
Medical Residents/Interns	0
Registered Nurses	23
Licensed Practical Nurses	5

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

DOWN EAST COMMUNITY HOSPITAL

Medicare Provider Number: 200027

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	329	9.4	11.8	2.9	14.0	17.1	3.7	17.9	21.1	4.6
CONDITIONS:										
Acute Myocardial Infarction	15	20.0	26.0	*	26.7	29.1	*	26.7	32.4	*
Congestive Heart Failure	25	12.0	17.1	*	12.0	25.7	*	20.0	32.8	*
Pneumonia/Influenza	27	14.8	19.1	*	14.8	25.8	*	18.5	31.1	*
Chronic Obstructive Pulmonary Disease	10	10.0	10.2	*	30.0	16.8	*	30.0	22.5	*
Transient Cerebral Ischemia	3	33.3	1.6	*	33.3	3.3	*	33.3	5.1	*
Stroke	7	0.0	21.4	*	0.0	28.4	*	14.3	33.6	*
Hip Fracture	9	0.0	7.8	*	0.0	13.8	*	0.0	17.4	*
Sepsis	10	30.0	32.6	*	50.0	37.3	*	50.0	42.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	3.7	*	0.0	7.0	*	0.0	9.2	*
Open Reduction of Hip Fracture	5	0.0	6.0	*	0.0	11.0	*	0.0	14.1	*
Prostatectomy	0									
Cholecystectomy	2	0.0	1.3	*	0.0	2.7	*	0.0	3.8	*
Hysterectomy	2	0.0	0.4	*	0.0	0.7	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	409	10.0	12.4	2.1	15.4	17.8	2.4	18.3	22.0	2.9
CONDITIONS:										
Acute Myocardial Infarction	27	22.2	30.2	*	25.9	33.7	*	29.6	37.2	*
Congestive Heart Failure	30	16.7	18.1	*	33.3	27.2	*	43.3	34.4	*
Pneumonia/Influenza	42	7.1	20.7	*	11.9	27.4	*	21.4	32.6	*
Chronic Obstructive Pulmonary Disease	18	0.0	12.8	*	11.1	21.1	*	11.1	27.0	*
Transient Cerebral Ischemia	2	0.0	2.4	*	0.0	5.4	*	0.0	9.0	*
Stroke	18	33.3	22.3	*	38.9	29.3	*	38.9	34.1	*
Hip Fracture	9	0.0	6.2	*	0.0	11.4	*	11.1	14.9	*
Sepsis	3	0.0	24.4	*	0.0	34.6	*	0.0	41.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	4.2	*	0.0	7.8	*	0.0	10.3	*
Open Reduction of Hip Fracture	3	0.0	6.5	*	0.0	12.5	*	33.3	16.5	*
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

EASTERN MAINE MEDICAL CENTER

489 State St
Bangor, ME 04401

Medicare Provider Number: 200033

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,533	8.7	8.9	0.6	13.1	13.7	0.9	16.8	17.5	0.9
CONDITIONS:										
Acute Myocardial Infarction	95	15.8	27.3	8.5	21.1	30.0	7.9	25.3	33.1	6.8
Congestive Heart Failure	88	11.4	14.2	7.5	17.0	22.0	9.3	25.0	28.4	8.1
Pneumonia/Influenza	65	15.4	17.2	5.1	21.5	23.5	6.0	26.2	28.3	5.9
Chronic Obstructive Pulmonary Disease	28	0.0	8.5	*	7.1	13.9	*	17.9	18.9	*
Transient Cerebral Ischemia	28	0.0	1.8	*	0.0	4.2	*	7.1	6.7	*
Stroke	84	26.2	21.9	7.7	32.1	28.1	7.9	34.5	32.7	5.9
Hip Fracture	69	4.3	5.6	3.2	7.2	10.4	5.8	10.1	13.8	6.7
Sepsis	13	23.1	22.7	*	30.8	31.1	*	30.8	37.4	*
PROCEDURES:										
Angioplasty	31	0.0	3.5	*	0.0	4.7	*	0.0	6.0	*
Coronary Artery Bypass Graft	78	3.8	4.1	2.5	9.0	6.4	3.6	9.0	7.8	4.0
Initial Pacemaker Insertion	17	0.0	3.6	*	0.0	6.8	*	0.0	9.6	*
Carotid Endarterectomy	22	0.0	1.7	*	0.0	3.4	*	4.5	5.0	*
Hip Replacement/Reconstruction	54	5.6	3.6	3.8	7.4	7.5	4.9	7.4	10.7	5.4
Open Reduction of Hip Fracture	38	2.6	5.2	*	5.3	9.8	*	10.5	13.0	*
Prostatectomy	80	1.2	1.3	2.0	1.2	2.9	3.0	2.5	4.7	4.1
Cholecystectomy	44	0.0	2.9	*	0.0	5.1	*	0.0	6.6	*
Hysterectomy	17	0.0	1.2	*	11.8	2.6	*	11.8	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	414
Occupancy Rate	(Not Available)
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	206
Percent of Physicians Board Certified Specialists	81
Medical Residents/Interns	25
Registered Nurses	501
Licensed Practical Nurses	80

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

EASTERN MAINE MEDICAL CENTER

Medicare Provider Number: 200033

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,423	8.5	9.3	0.9	13.5	14.0	1.0	17.4	17.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	109	22.0	28.6	6.4	24.8	31.8	7.3	26.6	35.3	8.5
Congestive Heart Failure	91	18.7	16.9	5.4	29.7	25.4	7.7	34.1	32.3	5.4
Pneumonia/Influenza	54	18.5	18.1	5.9	25.9	24.9	6.1	29.6	30.1	6.3
Chronic Obstructive Pulmonary Disease	23	4.3	9.0	*	8.7	14.4	*	8.7	19.1	*
Transient Cerebral Ischemia	33	0.0	2.0	*	6.1	4.4	*	9.1	6.8	*
Stroke	90	15.6	22.2	7.2	20.0	28.2	8.6	23.3	32.6	9.4
Hip Fracture	81	6.2	5.6	3.3	14.8	10.2	6.1	18.5	13.1	8.9
Sepsis	24	29.2	26.5	*	41.7	35.6	*	45.8	42.5	*
PROCEDURES:										
Angioplasty	27	0.0	3.3	*	0.0	4.1	*	0.0	5.1	*
Coronary Artery Bypass Graft	67	7.5	4.6	3.7	9.0	6.9	3.8	9.0	8.4	4.0
Initial Pacemaker Insertion	20	0.0	5.4	*	0.0	8.9	*	10.0	12.0	*
Carotid Endarterectomy	19	10.5	1.4	*	10.5	2.4	*	15.8	3.5	*
Hip Replacement/Reconstruction	80	5.0	3.4	2.4	8.7	6.4	2.9	13.7	8.4	4.1
Open Reduction of Hip Fracture	30	10.0	5.1	*	23.3	9.7	*	26.7	12.9	*
Prostatectomy	71	1.4	1.0	1.2	2.8	2.4	2.2	5.6	4.0	3.2
Cholecystectomy	39	2.6	2.2	*	5.1	4.6	*	7.7	6.5	*
Hysterectomy	19	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,526	9.3	9.8	1.0	14.5	15.2	1.4	18.3	19.3	1.5
CONDITIONS:										
Acute Myocardial Infarction	104	23.1	28.3	7.4	26.9	31.2	7.6	28.8	34.3	8.6
Congestive Heart Failure	96	14.6	16.8	4.4	24.0	25.9	7.9	28.1	33.3	7.6
Pneumonia/Influenza	65	13.8	18.7	7.7	21.5	25.9	7.8	27.7	31.2	6.9
Chronic Obstructive Pulmonary Disease	25	4.0	8.3	*	4.0	15.5	*	16.0	21.6	*
Transient Cerebral Ischemia	52	0.0	2.1	2.9	1.9	4.4	4.0	3.8	6.6	4.7
Stroke	96	24.0	22.5	4.4	27.1	28.8	5.1	30.2	33.2	6.3
Hip Fracture	92	3.3	5.8	2.9	7.6	10.5	4.3	8.7	13.7	5.7
Sepsis	19	26.3	24.8	*	42.1	36.0	*	42.1	43.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	13	7.7	4.7	*	7.7	6.5	*	7.7	7.7	*
Initial Pacemaker Insertion	16	0.0	3.2	*	18.8	6.3	*	25.0	9.1	*
Carotid Endarterectomy	23	0.0	1.6	*	0.0	3.1	*	4.3	4.5	*
Hip Replacement/Reconstruction	87	1.1	3.4	2.9	5.7	6.7	4.5	5.7	9.0	4.9
Open Reduction of Hip Fracture	38	5.3	5.5	*	7.9	10.4	*	10.5	13.6	*
Prostatectomy	75	1.3	1.2	1.3	4.0	2.9	2.1	6.7	4.9	2.7
Cholecystectomy	41	0.0	2.8	*	0.0	5.2	*	2.4	7.0	*
Hysterectomy	22	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FRANKLIN COUNTY MEMORIAL HOSPITAL

Wilton Rd Rfd 2
Farmington, ME 04938

Medicare Provider Number: 200037

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	821	9.3	9.0	1.1	12.4	13.8	1.4	15.8	17.6	1.7
CONDITIONS:										
Acute Myocardial Infarction	44	29.5	28.7	*	31.8	31.8	*	31.8	35.1	*
Congestive Heart Failure	32	9.4	16.4	*	9.4	25.5	*	15.6	32.7	*
Pneumonia/Influenza	38	15.8	13.5	*	21.1	18.8	*	23.7	22.8	*
Chronic Obstructive Pulmonary Disease	21	4.8	4.9	*	9.5	9.1	*	23.8	12.9	*
Transient Cerebral Ischemia	10	0.0	2.1	*	0.0	4.6	*	0.0	7.4	*
Stroke	27	37.0	19.1	*	48.1	27.0	*	51.9	32.0	*
Hip Fracture	33	6.1	5.9	*	6.1	10.8	*	12.1	14.2	*
Sepsis	12	16.7	24.9	*	25.0	34.9	*	25.0	41.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	26.2	*	0.0	36.2	*	0.0	39.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	0.0	3.2	*	0.0	6.3	*	5.9	8.7	*
Open Reduction of Hip Fracture	13	0.0	5.0	*	0.0	9.5	*	7.7	12.6	*
Prostatectomy	33	0.0	1.0	*	3.0	2.4	*	3.0	4.1	*
Cholecystectomy	8	12.5	3.8	*	25.0	6.7	*	37.5	8.5	*
Hysterectomy	6	0.0	1.5	*	0.0	3.3	*	0.0	5.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	70
Occupancy Rate	71
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	34
Percent of Physicians Board Certified Specialists	91
Medical Residents/Interns	0
Registered Nurses	81
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FRANKLIN COUNTY MEMORIAL HOSPITAL

Medicare Provider Number: 200037

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	797	9.4	9.9	1.1	12.8	14.7	1.5	16.6	18.4	1.7
CONDITIONS:										
Acute Myocardial Infarction	46	26.1	28.2	*	34.8	31.4	*	37.0	34.7	*
Congestive Heart Failure	44	11.4	16.9	*	11.4	25.4	*	20.5	32.2	*
Pneumonia/Influenza	28	7.1	17.0	*	10.7	22.8	*	14.3	27.0	*
Chronic Obstructive Pulmonary Disease	20	0.0	7.6	*	15.0	14.4	*	15.0	19.6	*
Transient Cerebral Ischemia	2	0.0	3.7	*	0.0	9.0	*	0.0	14.5	*
Stroke	32	15.6	21.9	*	15.6	29.5	*	21.9	34.5	*
Hip Fracture	21	28.6	7.7	*	28.6	14.0	*	33.3	17.9	*
Sepsis	4	25.0	21.8	*	25.0	33.6	*	25.0	40.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	24.8	*	100.0	28.3	*	100.0	31.7	*
Carotid Endarterectomy	1	0.0	1.4	*	0.0	2.4	*	0.0	3.3	*
Hip Replacement/Reconstruction	13	30.8	4.7	*	30.8	9.3	*	30.8	12.3	*
Open Reduction of Hip Fracture	12	8.3	6.7	*	8.3	12.2	*	16.7	15.6	*
Prostatectomy	23	0.0	1.2	*	8.7	2.8	*	8.7	4.7	*
Cholecystectomy	24	0.0	2.2	*	0.0	3.9	*	0.0	5.0	*
Hysterectomy	4	0.0	3.2	*	0.0	6.7	*	0.0	9.8	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	784	8.7	8.8	1.2	13.3	13.7	1.3	17.0	17.6	1.6
CONDITIONS:										
Acute Myocardial Infarction	27	40.7	26.1	*	48.1	29.5	*	48.1	32.8	*
Congestive Heart Failure	33	12.1	16.8	*	24.2	25.2	*	33.3	32.1	*
Pneumonia/Influenza	24	20.8	11.4	*	20.8	16.2	*	20.8	19.8	*
Chronic Obstructive Pulmonary Disease	18	16.7	6.6	*	27.8	11.7	*	38.9	16.2	*
Transient Cerebral Ischemia	8	0.0	1.9	*	0.0	3.8	*	0.0	6.0	*
Stroke	32	25.0	21.9	*	37.5	29.3	*	37.5	34.0	*
Hip Fracture	27	7.4	8.6	*	7.4	15.7	*	11.1	20.3	*
Sepsis	9	0.0	11.4	*	0.0	15.0	*	11.1	18.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	1	0.0	2.3	*	0.0	3.9	*	0.0	5.5	*
Hip Replacement/Reconstruction	16	12.5	5.2	*	12.5	10.0	*	12.5	13.3	*
Open Reduction of Hip Fracture	11	0.0	8.0	*	0.0	15.0	*	0.0	19.4	*
Prostatectomy	23	0.0	1.2	*	8.7	2.9	*	8.7	4.9	*
Cholecystectomy	17	5.9	2.9	*	11.8	4.6	*	11.8	5.3	*
Hysterectomy	0									

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HENRIETTA D GOODALL HOSPITAL

25 June St
Sanford, ME 04073

Medicare Provider Number: 200040

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	719	7.8	8.9	1.4	12.4	12.9	1.3	15.9	16.3	1.5
CONDITIONS:										
Acute Myocardial Infarction	53	28.3	30.2	6.7	30.2	33.9	7.6	32.1	37.9	9.7
Congestive Heart Failure	50	8.0	16.4	*	16.0	25.5	*	26.0	32.8	*
Pneumonia/Influenza	28	7.1	13.3	*	10.7	18.6	*	14.3	23.1	*
Chronic Obstructive Pulmonary Disease	2	0.0	3.5	*	0.0	7.9	*	0.0	12.2	*
Transient Cerebral Ischemia	8	0.0	1.5	*	0.0	3.2	*	0.0	5.2	*
Stroke	26	15.4	20.4	*	30.8	27.0	*	30.8	31.5	*
Hip Fracture	40	2.5	5.3	*	7.5	9.9	*	20.0	13.2	*
Sepsis	11	0.0	17.5	*	18.2	24.5	*	18.2	30.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	0.0	3.7	*	8.3	7.2	*	8.3	9.8	*
Open Reduction of Hip Fracture	25	4.0	5.0	*	8.0	9.8	*	24.0	13.2	*
Prostatectomy	15	0.0	0.5	*	0.0	1.3	*	0.0	2.2	*
Cholecystectomy	8	0.0	1.5	*	0.0	2.5	*	0.0	3.2	*
Hysterectomy	1	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	175
Occupancy Rate	81
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	40
Percent of Physicians Board Certified Specialists	78
Medical Residents/Interns	0
Registered Nurses	87
Licensed Practical Nurses	24

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HENRIETTA D GOODALL HOSPITAL

Medicare Provider Number: 200040

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	750	7.7	9.0	1.5	13.7	13.4	1.3	15.7	16.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	45	28.9	27.1	*	37.8	30.0	*	37.8	33.5	*
Congestive Heart Failure	48	6.3	16.7	*	12.5	25.3	*	14.6	32.3	*
Pneumonia/Influenza	35	14.3	16.7	*	28.6	22.8	*	31.4	27.3	*
Chronic Obstructive Pulmonary Disease	3	0.0	8.5	*	0.0	14.4	*	33.3	19.9	*
Transient Cerebral Ischemia	9	0.0	1.8	*	0.0	4.0	*	0.0	6.2	*
Stroke	35	28.6	24.0	*	42.9	31.6	*	42.9	36.8	*
Hip Fracture	33	12.1	6.2	*	18.2	11.7	*	21.2	15.4	*
Sepsis	9	0.0	18.1	*	0.0	25.4	*	0.0	30.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	20.0	3.8	*	30.0	8.0	*	30.0	11.0	*
Open Reduction of Hip Fracture	19	5.3	5.5	*	10.5	10.9	*	15.8	14.7	*
Prostatectomy	15	0.0	0.8	*	6.7	1.9	*	6.7	3.3	*
Cholecystectomy	12	0.0	1.9	*	0.0	3.8	*	0.0	5.4	*
Hysterectomy	3	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	765	7.1	8.8	1.5	11.8	12.9	1.5	14.9	16.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	53	30.2	31.9	7.1	34.0	35.5	7.5	35.8	39.2	8.4
Congestive Heart Failure	49	16.3	13.0	*	22.4	19.8	*	28.6	25.7	*
Pneumonia/Influenza	34	8.8	12.3	*	17.6	17.3	*	17.6	21.4	*
Chronic Obstructive Pulmonary Disease	1	0.0	4.1	*	0.0	8.0	*	0.0	11.1	*
Transient Cerebral Ischemia	8	0.0	1.9	*	0.0	4.3	*	0.0	6.9	*
Stroke	30	3.3	18.4	*	10.0	25.3	*	16.7	30.1	*
Hip Fracture	20	0.0	5.3	*	15.0	9.8	*	20.0	12.9	*
Sepsis	14	7.1	19.4	*	14.3	26.5	*	21.4	32.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	9.1	2.4	*	18.2	4.5	*	18.2	6.0	*
Open Reduction of Hip Fracture	15	0.0	4.3	*	13.3	8.6	*	20.0	11.6	*
Prostatectomy	20	0.0	1.2	*	0.0	2.9	*	0.0	4.7	*
Cholecystectomy	15	0.0	1.2	*	0.0	2.2	*	0.0	2.9	*
Hysterectomy	6	0.0	1.2	*	16.7	2.5	*	16.7	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOULTON REGIONAL HOSPITAL

20 Hartford St
Houlton, ME 04730

Medicare Provider Number: 200026

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	552	11.4	9.0	2.6	15.8	13.7	2.9	19.0	17.4	2.9
CONDITIONS:										
Acute Myocardial Infarction	29	34.5	26.4	*	41.4	30.6	*	41.4	34.4	*
Congestive Heart Failure	30	26.7	15.3	*	33.3	24.4	*	36.7	31.8	*
Pneumonia/Influenza	30	10.0	11.6	*	10.0	15.9	*	13.3	19.7	*
Chronic Obstructive Pulmonary Disease	24	8.3	5.7	*	20.8	10.5	*	20.8	14.8	*
Transient Cerebral Ischemia	11	0.0	1.4	*	0.0	3.2	*	9.1	5.2	*
Stroke	16	31.3	25.7	*	43.8	31.9	*	43.8	36.6	*
Hip Fracture	13	15.4	4.4	*	15.4	8.0	*	15.4	10.7	*
Sepsis	2	50.0	32.2	*	50.0	38.1	*	50.0	43.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	8	0.0	3.5	*	0.0	6.8	*	0.0	9.2	*
Prostatectomy	28	0.0	1.2	*	0.0	3.1	*	0.0	5.3	*
Cholecystectomy	5	0.0	1.3	*	0.0	2.8	*	0.0	4.2	*
Hysterectomy	2	50.0	0.6	*	50.0	2.0	*	50.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	75
Occupancy Rate	69
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	16
Percent of Physicians Board Certified Specialists	69
Medical Residents/Interns	0
Registered Nurses	41
Licensed Practical Nurses	28

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HOULTON REGIONAL HOSPITAL

Medicare Provider Number: 200026

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	554	8.5	8.1	1.2	11.9	12.2	1.5	15.3	15.5	1.6
CONDITIONS:										
Acute Myocardial Infarction	22	31.8	28.6	*	40.9	31.5	*	45.5	34.6	*
Congestive Heart Failure	27	25.9	15.9	*	25.9	24.4	*	29.6	31.4	*
Pneumonia/Influenza	34	11.8	14.6	*	11.8	20.1	*	11.8	24.5	*
Chronic Obstructive Pulmonary Disease	26	0.0	5.8	*	11.5	11.3	*	19.2	16.1	*
Transient Cerebral Ischemia	4	0.0	2.5	*	0.0	6.0	*	0.0	9.8	*
Stroke	23	17.4	17.9	*	21.7	23.8	*	30.4	28.3	*
Hip Fracture	9	0.0	4.7	*	11.1	8.6	*	11.1	11.2	*
Sepsis	8	0.0	25.4	*	12.5	31.8	*	25.0	36.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	0.4	*	0.0	0.7	*	0.0	0.9	*
Open Reduction of Hip Fracture	6	0.0	4.6	*	0.0	8.7	*	0.0	11.5	*
Prostatectomy	42	0.0	1.6	*	0.0	4.1	*	0.0	6.8	*
Cholecystectomy	8	0.0	1.5	*	0.0	2.5	*	0.0	3.2	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	535	3.0	8.8	1.7	13.1	13.1	1.5	16.1	16.7	1.7
CONDITIONS:										
Acute Myocardial Infarction	26	23.1	24.9	*	23.1	28.7	*	38.5	32.5	*
Congestive Heart Failure	31	16.1	14.1	*	19.4	21.9	*	25.8	28.5	*
Pneumonia/Influenza	38	5.3	14.9	*	10.5	20.6	*	13.2	25.3	*
Chronic Obstructive Pulmonary Disease	17	11.8	5.7	*	11.8	10.6	*	11.8	14.9	*
Transient Cerebral Ischemia	7	0.0	2.0	*	0.0	4.8	*	0.0	7.9	*
Stroke	23	17.4	21.1	*	26.1	27.7	*	26.1	32.6	*
Hip Fracture	10	10.0	4.9	*	20.0	9.6	*	20.0	12.9	*
Sepsis	4	50.0	21.8	*	50.0	30.0	*	50.0	35.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	4	0.0	4.1	*	0.0	8.3	*	0.0	11.3	*
Prostatectomy	22	4.5	1.6	*	4.5	4.1	*	4.5	7.2	*
Cholecystectomy	4	0.0	4.1	*	0.0	7.7	*	0.0	9.5	*
Hysterectomy	4	0.0	2.0	*	0.0	3.4	*	0.0	4.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

KENNEBEC VALLEY MEDICAL CENTER

6 E Chestnut St
Augusta, ME 04330

Medicare Provider Number: 200015

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,469	9.5	8.8	1.4	14.6	13.4	1.8	17.8	17.0	1.9
CONDITIONS:										
Acute Myocardial Infarction	56	33.9	29.3	7.2	37.5	32.4	7.3	41.1	35.9	7.7
Congestive Heart Failure	82	23.2	16.2	5.6	39.0	25.1	7.7	45.1	32.2	8.4
Pneumonia/Influenza	80	12.5	14.6	4.2	15.0	19.8	5.8	17.5	24.0	6.9
Chronic Obstructive Pulmonary Disease	23	4.3	7.4	*	13.0	11.9	*	13.0	16.0	*
Transient Cerebral Ischemia	5	0.0	2.3	*	0.0	5.5	*	20.0	9.0	*
Stroke	67	23.9	23.2	5.2	29.9	29.5	5.6	31.3	34.2	7.0
Hip Fracture	68	5.9	6.6	3.5	11.8	11.9	5.3	16.2	15.5	4.4
Sepsis	10	20.0	22.5	*	30.0	28.7	*	30.0	33.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.2	*	20.0	4.6	*	40.0	7.3	*
Carotid Endarterectomy	2	0.0	1.0	*	0.0	1.8	*	0.0	2.5	*
Hip Replacement/Reconstruction	30	0.0	2.8	*	6.7	5.4	*	13.3	7.4	*
Open Reduction of Hip Fracture	39	5.1	5.3	*	10.3	10.0	*	12.8	13.2	*
Prostatectomy	52	0.0	0.9	1.5	0.0	2.1	2.7	1.9	3.7	3.4
Cholecystectomy	26	3.8	2.7	*	7.7	4.6	*	11.5	5.7	*
Hysterectomy	11	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	165
Occupancy Rate	81
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	78
Percent of Physicians Board Certified Specialists	90
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

KENNEBEC VALLEY MEDICAL CENTER

Medicare Provider Number: 200015

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,533	8.7	9.1	0.8	13.5	13.4	1.1	17.7	17.0	1.6
CONDITIONS:										
Acute Myocardial Infarction	68	23.5	28.9	8.4	26.5	32.1	8.6	30.9	35.8	8.4
Congestive Heart Failure	81	22.2	15.6	7.2	25.9	23.7	7.4	39.5	30.4	10.2
Pneumonia/Influenza	79	12.7	17.1	7.4	20.3	22.8	6.7	26.6	27.3	5.1
Chronic Obstructive Pulmonary Disease	35	14.3	8.4	*	22.9	14.5	*	22.9	19.8	*
Transient Cerebral Ischemia	11	0.0	2.4	*	0.0	5.2	*	9.1	8.3	*
Stroke	69	18.8	23.4	6.6	24.6	29.6	8.5	26.1	34.1	11.3
Hip Fracture	62	4.8	6.1	3.2	14.5	11.3	4.6	21.0	14.7	6.5
Sepsis	6	33.3	24.2	*	33.3	28.6	*	33.3	33.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	33.3	11.5	*	33.3	14.4	*	33.3	17.1	*
Carotid Endarterectomy	2	0.0	0.9	*	0.0	1.6	*	0.0	2.4	*
Hip Replacement/Reconstruction	33	3.0	2.7	*	12.1	5.2	*	12.1	6.9	*
Open Reduction of Hip Fracture	30	3.3	6.0	*	13.3	11.5	*	20.0	15.4	*
Prostatectomy	69	0.0	1.7	2.1	1.4	3.4	2.8	4.3	5.2	3.4
Cholecystectomy	26	0.0	1.6	*	0.0	2.8	*	3.8	3.6	*
Hysterectomy	20	0.0	0.9	*	0.0	1.7	*	5.0	2.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,591	10.1	9.2	0.8	14.6	13.7	1.1	18.9	17.3	1.5
CONDITIONS:										
Acute Myocardial Infarction	71	26.8	33.2	8.3	29.6	36.9	9.5	31.0	40.6	10.7
Congestive Heart Failure	75	20.0	15.8	5.8	30.7	23.9	8.3	36.0	30.7	8.5
Pneumonia/Influenza	76	14.5	14.7	4.2	25.0	20.0	5.3	34.2	24.4	7.2
Chronic Obstructive Pulmonary Disease	39	10.3	9.9	*	25.6	16.5	*	25.6	21.5	*
Transient Cerebral Ischemia	15	0.0	1.8	*	6.7	3.8	*	20.0	6.1	*
Stroke	54	25.9	23.7	7.0	29.6	29.9	7.0	33.3	34.5	6.6
Hip Fracture	62	3.2	6.5	3.8	8.1	12.0	5.0	17.7	15.9	5.0
Sepsis	6	50.0	28.3	*	50.0	35.0	*	50.0	39.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	2.3	*	0.0	5.0	*	28.6	7.7	*
Carotid Endarterectomy	1	0.0	1.9	*	100.0	4.1	*	100.0	6.0	*
Hip Replacement/Reconstruction	35	2.9	4.1	*	2.9	7.9	*	11.4	10.7	*
Open Reduction of Hip Fracture	21	0.0	5.1	*	0.0	9.8	*	4.8	13.1	*
Prostatectomy	33	0.0	1.1	*	3.0	2.7	*	3.0	4.6	*
Cholecystectomy	35	5.7	2.5	*	11.4	4.9	*	14.3	7.0	*
Hysterectomy	13	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

KENNEBEC VALLEY MEDICAL CENTER
6 East Chestnut Street, Augusta, Maine 04330 • (207) 626-1000

01/08/91

Health Care Finance Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We have recently received the updated mortality data from HCFA for the calendar year 1989. We appreciate HCFA's continuing efforts to supply updated and accurate information regarding our mortality experience with Medicare patients. We find that we can use this data to help build upon our hospital's internal quality assurance mechanisms. One of the problems inherent in data such as this is that it is very difficult to evaluate the severity of illness in individual patients, and therefore comparison to national norms is fraught with potential inaccuracies.

We are pleased that our actual mortality rate for 1989 is low and is within one standard deviation of the predicted norm. Of note, in almost all disease categories our observed rates are very close to the predicted rates. For those few categories in which there is a discrepancy between the observed and predicted rates, these discrepancies are within reasonable statistical variation and could easily be described by chance alone. Even so, we can use this information to better scrutinize our own mortality experience. Our hospital is a 201 bed acute care, community, hospital which provides a broad range of diagnostic and therapeutic medical and surgical services. Because of the population base and demographics of our area, there are no categories within your list of groupings in which we had more than 100 cases which makes statistical analysis somewhat difficult. Even so, we are pleased that our actual mortality rate for all the conditions listed is well within predicted mortality ranges.

This year HCFA has provided mortality information that includes mortality experience at 30, 90, and 180 days. This is interesting and makes it possible to analyze patterns of mortality over different periods of time. For some diseases, long term survival will be more important than short term survival. But unfortunately, long term mortality is much more difficult to interpret since it raises the possibility that factors outside the hospital may well contribute to an individual's death. In any event, it does offer a broader, more complete set of data for analysis.

A Division of Kennebec Health System

In summary, we believe that the hospital mortality data provided by HCFA is useful. However, we use mortality rates as only part of our review of medical care. We have an active, on-going quality assurance program which provides for a mechanism to monitor quality indicators. We support HCFA's efforts in continuing to provide mortality data for analysis and hope that in the future severity of illness indices may be incorporated into the data. Our goal is to provide the best quality service that we can to all our patients. We are very willing to look at the quality of care that we offer and utilize whatever data resources are available to better our task of serving our community.

Sincerely,

Stephen D. Sears, MD, MPH
Vice President Medical Affairs
Infectious Disease Specialist

SDS/dal

CC: Warren Kessler

MAINE COAST MEMORIAL HOSPITAL

50 Union St
Ellsworth, ME 04605

Medicare Provider Number: 200050

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	637	10.2	9.9	1.3	15.7	14.4	2.0	19.3	18.0	2.0
CONDITIONS:										
Acute Myocardial Infarction	37	13.5	23.8	*	16.2	27.0	*	16.2	30.3	*
Congestive Heart Failure	44	11.4	14.1	*	22.7	22.3	*	29.5	28.8	*
Pneumonia/Influenza	42	16.7	16.9	*	31.0	23.5	*	35.7	28.2	*
Chronic Obstructive Pulmonary Disease	8	0.0	8.6	*	0.0	13.8	*	0.0	18.3	*
Transient Cerebral Ischemia	5	0.0	2.6	*	0.0	6.6	*	20.0	11.0	*
Stroke	24	29.2	20.6	*	37.5	27.0	*	37.5	31.1	*
Hip Fracture	30	6.7	5.5	*	10.0	9.9	*	16.7	12.8	*
Sepsis	11	36.4	30.1	*	45.5	38.3	*	45.5	45.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	6.7	3.4	*	6.7	6.4	*	6.7	8.3	*
Open Reduction of Hip Fracture	19	5.3	4.8	*	10.5	9.1	*	21.1	12.0	*
Prostatectomy	21	0.0	2.6	*	0.0	4.7	*	4.8	6.8	*
Cholecystectomy	15	6.7	3.4	*	6.7	6.7	*	13.3	9.1	*
Hysterectomy	5	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	54
Occupancy Rate	61
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	29
Percent of Physicians Board Certified Specialists	72
Medical Residents/Interns	0
Registered Nurses	54
Licensed Practical Nurses	18

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MAINE COAST MEMORIAL HOSPITAL

Medicare Provider Number: 200050

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	635	7.9	9.3	1.8	12.8	14.0	2.5	15.7	17.8	2.4
CONDITIONS:										
Acute Myocardial Infarction	24	12.5	24.2	*	16.7	27.6	*	16.7	31.2	*
Congestive Heart Failure	45	13.3	14.9	*	17.8	23.3	*	24.4	30.3	*
Pneumonia/Influenza	38	13.2	17.8	*	18.4	24.0	*	26.3	28.8	*
Chronic Obstructive Pulmonary Disease	10	10.0	13.4	*	20.0	19.7	*	30.0	24.8	*
Transient Cerebral Ischemia	5	0.0	3.6	*	0.0	8.2	*	0.0	13.3	*
Stroke	24	16.7	23.4	*	25.0	29.7	*	29.2	34.3	*
Hip Fracture	33	9.1	6.6	*	15.2	11.9	*	21.2	15.2	*
Sepsis	11	0.0	20.3	*	9.1	26.6	*	9.1	31.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	24.4	*	100.0	29.1	*	100.0	32.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	8.3	4.2	*	8.3	8.1	*	16.7	10.6	*
Open Reduction of Hip Fracture	23	8.7	6.2	*	17.4	11.6	*	21.7	15.0	*
Prostatectomy	33	0.0	0.9	*	3.0	2.1	*	6.1	3.6	*
Cholecystectomy	13	23.1	2.3	*	23.1	3.9	*	23.1	5.0	*
Hysterectomy	4	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	623	10.1	10.1	1.3	14.4	14.7	1.4	18.5	18.4	1.6
CONDITIONS:										
Acute Myocardial Infarction	26	26.9	30.2	*	34.6	33.7	*	34.6	37.5	*
Congestive Heart Failure	34	14.7	17.4	*	23.5	25.6	*	29.4	32.4	*
Pneumonia/Influenza	55	14.5	17.6	7.0	23.6	24.1	6.3	30.9	29.3	6.8
Chronic Obstructive Pulmonary Disease	12	0.0	7.8	*	0.0	12.8	*	0.0	16.6	*
Transient Cerebral Ischemia	8	0.0	1.5	*	0.0	3.0	*	0.0	4.7	*
Stroke	31	38.7	22.3	*	41.9	29.4	*	48.4	34.3	*
Hip Fracture	27	7.4	6.7	*	11.1	12.5	*	18.5	16.6	*
Sepsis	8	50.0	31.9	*	62.5	39.2	*	62.5	45.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	16	6.3	2.8	*	6.3	5.5	*	18.8	7.5	*
Open Reduction of Hip Fracture	16	6.3	7.2	*	12.5	14.2	*	12.5	19.2	*
Prostatectomy	25	0.0	0.6	*	0.0	1.4	*	4.0	2.4	*
Cholecystectomy	12	0.0	1.2	*	0.0	2.2	*	0.0	3.0	*
Hysterectomy	9	0.0	0.3	*	11.1	0.6	*	11.1	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MAINE MEDICAL CENTER

22 Bramhall St
Portland, ME 04102

Medicare Provider Number: 200009

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,096	7.9	8.6	0.6	12.7	13.4	0.7	16.1	17.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	140	20.7	26.8	4.8	25.0	29.9	4.4	28.6	33.3	4.5
Congestive Heart Failure	135	17.0	16.2	3.2	31.1	25.3	4.8	37.0	32.6	5.2
Pneumonia/Influenza	95	9.5	15.0	5.0	15.8	20.5	4.9	18.9	24.8	5.3
Chronic Obstructive Pulmonary Disease	61	9.8	7.1	4.1	13.1	11.9	4.3	14.8	16.1	5.5
Transient Cerebral Ischemia	40	2.5	1.4	*	7.5	2.9	*	7.5	4.5	*
Stroke	111	21.6	20.8	4.4	30.6	27.8	6.0	35.1	32.3	7.3
Hip Fracture	72	9.7	6.7	3.9	15.3	11.8	5.6	18.1	15.3	5.9
Sepsis	28	21.4	31.8	*	32.1	41.5	*	39.3	49.5	*
PROCEDURES:										
Angioplasty	116	0.9	3.1	2.3	3.4	4.2	2.3	3.4	5.4	3.0
Coronary Artery Bypass Graft	217	4.1	4.8	2.2	6.5	7.6	2.1	8.3	9.6	2.3
Initial Pacemaker Insertion	38	2.6	4.4	*	7.9	7.2	*	7.9	9.5	*
Carotid Endarterectomy	16	0.0	1.6	*	0.0	2.9	*	0.0	4.4	*
Hip Replacement/Reconstruction	97	2.1	2.0	1.6	6.2	3.7	2.7	8.2	5.1	4.2
Open Reduction of Hip Fracture	35	14.3	6.1	*	20.0	11.3	*	20.0	14.7	*
Prostatectomy	112	0.0	0.9	1.2	0.9	2.2	1.7	1.8	3.7	2.6
Cholecystectomy	33	3.0	2.0	*	3.0	3.5	*	3.0	4.5	*
Hysterectomy	42	0.0	0.7	*	2.4	1.6	*	2.4	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	590
Occupancy Rate	87
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	431
Percent of Physicians Board Certified Specialists	80
Medical Residents/Interns	135
Registered Nurses	619
Licensed Practical Nurses	120

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MAINE MEDICAL CENTER

Medicare Provider Number: 200009

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,069	8.9	8.9	0.7	13.8	13.9	0.9	17.3	17.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	154	24.0	27.9	4.5	27.3	31.7	5.3	28.6	35.6	6.1
Congestive Heart Failure	133	20.3	16.6	6.2	31.6	25.2	6.9	39.1	32.3	7.4
Pneumonia/Influenza	100	19.0	16.9	4.6	23.0	22.9	4.3	27.0	27.6	4.5
Chronic Obstructive Pulmonary Disease	54	5.6	7.7	4.4	9.3	13.4	5.9	18.5	18.3	5.4
Transient Cerebral Ischemia	32	6.3	2.1	*	9.4	4.4	*	9.4	6.9	*
Stroke	100	20.0	24.8	6.5	27.0	31.3	8.8	29.0	35.9	9.3
Hip Fracture	94	12.8	7.3	5.3	20.2	13.3	6.3	22.3	17.1	6.9
Sepsis	19	21.1	30.2	*	36.8	39.6	*	36.8	46.2	*
PROCEDURES:										
Angioplasty	90	2.2	3.7	3.1	5.6	5.1	3.3	6.7	6.5	2.6
Coronary Artery Bypass Graft	201	6.5	5.1	1.9	8.0	7.6	1.9	9.0	9.4	2.3
Initial Pacemaker Insertion	21	4.8	3.1	*	4.8	5.8	*	4.8	8.3	*
Carotid Endarterectomy	22	4.5	1.4	*	4.5	2.6	*	4.5	3.8	*
Hip Replacement/Reconstruction	89	3.4	2.4	2.0	6.7	4.4	2.7	9.0	5.8	3.7
Open Reduction of Hip Fracture	34	14.7	7.1	*	23.5	13.3	*	23.5	17.4	*
Prostatectomy	101	4.0	1.3	2.1	7.9	3.4	3.3	8.9	5.7	4.5
Cholecystectomy	52	5.8	2.6	3.3	5.8	4.7	3.5	7.7	6.2	3.6
Hysterectomy	33	0.0	0.6	*	0.0	1.3	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,052	8.4	9.5	0.6	13.5	14.4	0.8	17.1	18.3	0.8
CONDITIONS:										
Acute Myocardial Infarction	179	24.6	28.1	4.4	26.3	31.4	4.1	27.4	35.0	4.6
Congestive Heart Failure	150	12.7	17.4	4.3	25.3	26.0	3.7	34.0	32.9	3.9
Pneumonia/Influenza	80	8.7	17.9	6.2	13.7	24.0	6.7	21.2	28.7	6.2
Chronic Obstructive Pulmonary Disease	66	1.5	9.3	5.3	7.6	16.0	6.6	12.1	21.2	6.8
Transient Cerebral Ischemia	28	3.6	2.4	*	10.7	5.1	*	17.9	7.8	*
Stroke	113	21.2	23.2	4.4	26.5	29.8	5.1	31.9	34.3	5.2
Hip Fracture	96	8.3	6.3	3.5	12.5	11.5	3.5	13.5	15.0	3.8
Sepsis	22	18.2	37.3	*	27.3	48.6	*	40.9	56.1	*
PROCEDURES:										
Angioplasty	46	0.0	3.5	*	0.0	4.7	*	2.2	6.1	*
Coronary Artery Bypass Graft	185	4.9	4.9	1.7	9.7	7.3	3.0	10.8	8.9	3.0
Initial Pacemaker Insertion	39	5.1	3.5	*	5.1	6.9	*	5.1	9.9	*
Carotid Endarterectomy	23	0.0	1.6	*	4.3	2.9	*	4.3	4.2	*
Hip Replacement/Reconstruction	94	1.1	2.5	2.0	3.2	4.6	2.9	4.3	6.2	3.6
Open Reduction of Hip Fracture	50	12.0	5.7	*	14.0	10.8	*	14.0	14.3	*
Prostatectomy	106	0.0	1.0	1.9	1.9	2.3	3.2	5.7	3.9	4.2
Cholecystectomy	41	0.0	3.2	*	2.4	6.0	*	2.4	8.3	*
Hysterectomy	39	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MAYO REGIONAL HOSPITAL-HAD 4

65 A West Main St
Dover-Foxcroft, ME 04426

Medicare Provider Number: 200066

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	660	8.2	8.2	1.3	13.3	12.6	1.6	17.4	16.2	1.8
CONDITIONS:										
Acute Myocardial Infarction	29	13.8	25.8	*	17.2	28.6	*	20.7	31.7	*
Congestive Heart Failure	18	11.1	15.6	*	11.1	23.7	*	16.7	30.7	*
Pneumonia/Influenza	31	9.7	13.2	*	12.9	18.8	*	16.1	23.1	*
Chronic Obstructive Pulmonary Disease	31	22.6	9.8	*	29.0	17.4	*	32.3	23.6	*
Transient Cerebral Ischemia	3	0.0	1.9	*	0.0	4.4	*	0.0	7.2	*
Stroke	17	17.6	15.7	*	17.6	21.9	*	23.5	26.3	*
Hip Fracture	34	5.9	5.9	*	8.8	10.7	*	11.8	14.0	*
Sepsis	8	37.5	25.5	*	50.0	34.9	*	62.5	42.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	5	0.0	1.5	*	0.0	3.0	*	0.0	4.4	*
Hip Replacement/Reconstruction	30	3.3	2.9	*	10.0	5.3	*	13.3	7.1	*
Open Reduction of Hip Fracture	2	0.0	7.6	*	0.0	13.6	*	0.0	17.7	*
Prostatectomy	0									
Cholecystectomy	14	0.0	1.9	*	7.1	3.1	*	7.1	3.9	*
Hysterectomy	3	33.3	3.3	*	33.3	7.6	*	33.3	11.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	52
Occupancy Rate	56
Ownership/Control	District/Authority

STAFFING: (As of September 30, 1989)

Total Number of Physicians	43
Percent of Physicians Board Certified Specialists	28
Medical Residents/Interns	0
Registered Nurses	35
Licensed Practical Nurses	21

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MAYO REGIONAL HOSPITAL-HAD 4

Medicare Provider Number: 200066

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	640	10.0	8.7	1.3	15.9	12.9	2.6	18.3	16.5	1.7
CONDITIONS:										
Acute Myocardial Infarction	27	18.5	28.7	*	22.2	31.8	*	25.9	35.2	*
Congestive Heart Failure	27	22.2	15.0	*	25.9	22.6	*	29.6	29.2	*
Pneumonia/Influenza	39	7.7	14.7	*	12.8	20.4	*	15.4	25.2	*
Chronic Obstructive Pulmonary Disease	22	9.1	10.1	*	27.3	14.6	*	27.3	18.6	*
Transient Cerebral Ischemia	4	0.0	1.1	*	0.0	2.2	*	0.0	3.3	*
Stroke	16	18.8	16.8	*	18.8	22.1	*	18.8	26.5	*
Hip Fracture	21	9.5	5.0	*	19.0	9.1	*	23.8	11.8	*
Sepsis	7	0.0	17.4	*	28.6	23.9	*	28.6	28.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	5	0.0	1.9	*	0.0	3.9	*	0.0	5.9	*
Hip Replacement/Reconstruction	23	0.0	1.9	*	4.3	3.7	*	4.3	4.9	*
Open Reduction of Hip Fracture	3	0.0	3.2	*	0.0	6.3	*	0.0	8.7	*
Prostatectomy	0									
Cholecystectomy	25	0.0	2.4	*	0.0	4.5	*	0.0	6.3	*
Hysterectomy	4	0.0	2.4	*	0.0	5.1	*	0.0	7.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	646	8.8	9.0	1.2	14.2	13.6	1.5	18.4	17.3	2.0
CONDITIONS:										
Acute Myocardial Infarction	34	17.6	26.1	*	26.5	28.8	*	32.4	32.0	*
Congestive Heart Failure	39	25.6	15.7	*	41.0	23.8	*	46.2	30.6	*
Pneumonia/Influenza	39	7.7	17.0	*	17.9	23.6	*	17.9	28.9	*
Chronic Obstructive Pulmonary Disease	15	26.7	10.4	*	26.7	17.6	*	26.7	23.0	*
Transient Cerebral Ischemia	4	0.0	2.1	*	0.0	4.8	*	0.0	7.6	*
Stroke	29	10.3	20.9	*	13.8	27.2	*	20.7	32.0	*
Hip Fracture	18	11.1	6.8	*	11.1	12.5	*	11.1	16.1	*
Sepsis	2	0.0	33.9	*	0.0	43.3	*	50.0	50.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	18	5.6	2.1	*	5.6	4.0	*	5.6	5.4	*
Open Reduction of Hip Fracture	4	0.0	9.7	*	0.0	17.4	*	0.0	21.6	*
Prostatectomy	0									
Cholecystectomy	10	0.0	3.7	*	0.0	6.5	*	0.0	8.5	*
Hysterectomy	3	0.0	0.7	*	0.0	1.8	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MERCY HOSPITAL

144 State St
Portland, ME 04101

Medicare Provider Number: 200008

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,868	6.5	8.3	1.1	11.9	12.6	1.3	14.9	16.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	60	16.7	28.3	8.2	23.3	31.3	7.9	26.7	34.7	7.4
Congestive Heart Failure	84	16.7	16.1	5.2	34.5	24.8	7.4	41.7	32.0	8.5
Pneumonia/Influenza	86	5.8	16.8	5.6	11.6	22.9	6.2	15.1	27.5	6.7
Chronic Obstructive Pulmonary Disease	69	2.9	7.6	5.9	13.0	13.3	7.9	14.5	18.3	7.9
Transient Cerebral Ischemia	13	0.0	2.0	*	0.0	4.5	*	0.0	7.3	*
Stroke	57	10.5	22.5	8.5	21.1	29.3	10.0	24.6	34.0	8.3
Hip Fracture	49	6.1	5.7	*	12.2	10.4	*	14.3	13.6	*
Sepsis	10	30.0	32.7	*	30.0	39.9	*	30.0	46.2	*
PROCEDURES:										
Angioplasty	4	0.0	8.0	*	25.0	8.9	*	25.0	10.3	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	3.2	*	10.0	6.6	*	20.0	9.8	*
Carotid Endarterectomy	2	0.0	1.2	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	32	0.0	3.7	*	6.3	7.3	*	9.4	10.0	*
Open Reduction of Hip Fracture	22	9.1	5.8	*	13.6	10.6	*	13.6	13.7	*
Prostatectomy	63	0.0	1.2	1.7	3.2	2.9	2.4	4.8	4.8	2.8
Cholecystectomy	27	0.0	1.9	*	0.0	3.4	*	0.0	4.6	*
Hysterectomy	24	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	200
Occupancy Rate	86
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	275
Percent of Physicians Board Certified Specialists	84
Medical Residents/Interns	0
Registered Nurses	229
Licensed Practical Nurses	40

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MERCY HOSPITAL

Medicare Provider Number: 200008

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,772	7.0	9.1	1.0	12.1	13.8	1.1	16.1	17.5	1.0
CONDITIONS:										
Acute Myocardial Infarction	53	15.1	30.4	9.3	24.5	34.0	8.8	30.2	37.8	7.4
Congestive Heart Failure	59	15.3	17.7	6.0	23.7	26.0	7.4	30.5	33.0	7.0
Pneumonia/Influenza	78	7.7	16.3	4.8	12.8	21.9	6.3	12.8	26.2	6.2
Chronic Obstructive Pulmonary Disease	72	8.3	7.8	4.6	13.9	13.7	4.4	19.4	18.7	4.7
Transient Cerebral Ischemia	20	5.0	2.1	*	15.0	4.5	*	15.0	7.1	*
Stroke	54	14.8	20.9	8.6	16.7	27.4	9.6	18.5	32.2	11.2
Hip Fracture	65	4.6	7.0	4.3	6.2	12.6	5.5	13.8	15.9	4.7
Sepsis	6	0.0	36.7	*	0.0	47.1	*	0.0	54.8	*
PROCEDURES:										
Angioplasty	4	0.0	7.4	*	0.0	8.3	*	0.0	9.5	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	4.3	*	0.0	8.3	*	12.5	11.3	*
Carotid Endarterectomy	1	0.0	1.1	*	0.0	2.0	*	0.0	2.8	*
Hip Replacement/Reconstruction	37	2.7	4.1	*	5.4	7.7	*	8.1	10.0	*
Open Reduction of Hip Fracture	37	5.4	6.3	*	5.4	11.7	*	13.5	15.1	*
Prostatectomy	72	0.0	0.7	1.6	1.4	1.7	2.8	5.6	2.9	3.5
Cholecystectomy	21	0.0	1.7	*	0.0	3.1	*	4.8	4.1	*
Hysterectomy	10	0.0	0.9	*	10.0	2.1	*	10.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,714	8.5	8.8	0.9	14.4	13.5	1.3	18.0	17.3	1.6
CONDITIONS:										
Acute Myocardial Infarction	60	21.7	31.2	11.7	30.0	34.8	12.3	30.0	38.5	10.6
Congestive Heart Failure	67	34.3	16.2	7.3	41.8	24.2	7.6	50.7	30.9	8.4
Pneumonia/Influenza	69	11.6	16.3	9.3	15.9	21.9	9.9	20.3	26.5	9.7
Chronic Obstructive Pulmonary Disease	64	9.4	9.2	3.7	20.3	15.5	5.6	29.7	20.3	8.2
Transient Cerebral Ischemia	10	0.0	2.3	*	10.0	4.8	*	10.0	7.5	*
Stroke	40	15.0	23.0	*	22.5	29.8	*	22.5	34.3	*
Hip Fracture	59	5.1	7.6	4.3	15.3	13.6	4.7	18.6	17.4	5.1
Sepsis	11	18.2	25.0	*	27.3	33.2	*	27.3	38.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	0.0	2.9	*	0.0	5.5	*	0.0	7.9	*
Carotid Endarterectomy	2	0.0	1.0	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	42	7.1	3.6	*	14.3	6.8	*	14.3	8.8	*
Open Reduction of Hip Fracture	26	0.0	5.5	*	7.7	10.3	*	15.4	13.5	*
Prostatectomy	78	0.0	0.8	*	0.0	2.0	*	0.0	3.3	*
Cholecystectomy	34	0.0	2.6	*	2.9	4.5	*	2.9	5.8	*
Hysterectomy	13	0.0	0.6	*	0.0	1.2	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MID-MAINE MEDICAL CENTER

Chase Ave
Waterville, ME 04901

Medicare Provider Number: 200039

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,597	9.3	9.0	0.8	14.1	13.5	1.2	16.7	17.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	65	15.4	28.7	8.4	18.5	32.4	8.9	21.5	35.9	8.9
Congestive Heart Failure	93	22.6	16.9	4.7	28.0	24.9	4.7	29.0	31.9	5.0
Pneumonia/Influenza	57	24.6	18.1	9.1	29.8	24.9	9.7	36.8	29.8	10.0
Chronic Obstructive Pulmonary Disease	23	8.7	16.5	*	21.7	24.8	*	26.1	31.7	*
Transient Cerebral Ischemia	19	0.0	2.0	*	5.3	4.2	*	5.3	6.7	*
Stroke	53	17.0	21.6	6.5	28.3	28.3	6.3	34.0	32.6	7.0
Hip Fracture	29	6.9	5.5	*	10.3	10.0	*	10.3	13.0	*
Sepsis	9	44.4	31.9	*	44.4	37.6	*	44.4	43.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	15.4	4.8	*	15.4	8.0	*	15.4	10.8	*
Carotid Endarterectomy	20	5.0	1.1	*	5.0	1.9	*	10.0	2.7	*
Hip Replacement/Reconstruction	34	2.9	2.2	*	2.9	4.2	*	2.9	5.6	*
Open Reduction of Hip Fracture	9	0.0	6.2	*	11.1	11.5	*	11.1	15.0	*
Prostatectomy	66	0.0	0.6	1.1	0.0	1.4	2.2	3.0	2.4	2.0
Cholecystectomy	37	0.0	1.4	*	2.7	2.6	*	2.7	3.5	*
Hysterectomy	12	0.0	2.1	*	0.0	4.7	*	0.0	7.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	306
Occupancy Rate	78
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	120
Percent of Physicians Board Certified Specialists	87
Medical Residents/Interns	0
Registered Nurses	331
Licensed Practical Nurses	71

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

MID-MAINE MEDICAL CENTER

Medicare Provider Number: 200039

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,703	8.9	9.5	0.8	13.9	14.1	0.9	16.6	17.8	1.1
CONDITIONS:										
Acute Myocardial Infarction	74	27.0	26.2	5.3	29.7	29.6	5.5	31.1	33.0	6.7
Congestive Heart Failure	98	14.3	18.9	5.6	25.5	27.4	4.8	32.7	34.6	5.8
Pneumonia/Influenza	55	10.9	16.9	6.4	20.0	23.1	8.5	21.8	27.8	7.4
Chronic Obstructive Pulmonary Disease	21	9.5	14.0	*	19.0	21.1	*	28.6	26.7	*
Transient Cerebral Ischemia	13	7.7	2.1	*	7.7	4.3	*	7.7	6.5	*
Stroke	58	20.7	27.2	8.7	32.8	33.9	6.9	37.9	38.8	6.5
Hip Fracture	34	5.9	8.8	*	11.8	15.5	*	14.7	19.3	*
Sepsis	11	18.2	21.0	*	18.2	27.6	*	27.3	33.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	8.1	*	0.0	11.5	*	0.0	14.3	*
Carotid Endarterectomy	12	8.3	1.4	*	8.3	2.5	*	8.3	3.7	*
Hip Replacement/Reconstruction	30	3.3	4.4	*	6.7	8.5	*	10.0	11.2	*
Open Reduction of Hip Fracture	18	5.6	8.4	*	11.1	15.4	*	11.1	19.6	*
Prostatectomy	71	2.8	1.1	1.5	5.6	2.7	2.4	8.5	4.4	4.2
Cholecystectomy	46	4.3	2.4	*	6.5	4.2	*	6.5	5.4	*
Hysterectomy	9	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,684	8.9	10.2	1.3	13.9	15.1	1.6	17.6	18.9	1.6
CONDITIONS:										
Acute Myocardial Infarction	80	31.3	32.0	5.3	35.0	35.3	6.3	36.2	38.8	6.8
Congestive Heart Failure	101	20.8	20.9	5.0	29.7	30.1	5.3	34.7	37.4	7.1
Pneumonia/Influenza	65	18.5	17.4	5.1	26.2	23.1	6.8	27.7	27.5	7.5
Chronic Obstructive Pulmonary Disease	30	23.3	13.6	*	26.7	22.3	*	33.3	28.4	*
Transient Cerebral Ischemia	29	0.0	2.0	*	3.4	4.0	*	3.4	6.0	*
Stroke	64	17.2	21.4	6.7	28.1	28.4	9.1	31.3	33.1	6.3
Hip Fracture	42	4.8	10.4	*	9.5	17.6	*	11.9	21.7	*
Sepsis	12	25.0	25.7	*	41.7	34.6	*	50.0	40.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	5.4	*	0.0	9.5	*	0.0	12.8	*
Carotid Endarterectomy	16	6.3	1.4	*	12.5	2.3	*	12.5	3.2	*
Hip Replacement/Reconstruction	33	0.0	3.1	*	0.0	5.7	*	0.0	7.6	*
Open Reduction of Hip Fracture	17	11.8	12.9	*	23.5	23.0	*	23.5	28.6	*
Prostatectomy	86	3.5	0.9	1.8	3.5	2.1	1.8	3.5	3.5	2.4
Cholecystectomy	41	2.4	2.6	*	4.9	4.4	*	4.9	5.4	*
Hysterectomy	8	0.0	0.4	*	0.0	0.7	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MILES MEMORIAL HOSPITAL

Bristol Rd
Damariscotta, ME 04543

Medicare Provider Number: 200002

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	449	10.0	9.3	1.5	14.0	14.0	1.9	17.8	17.7	1.8
CONDITIONS:										
Acute Myocardial Infarction	18	38.9	30.3	*	38.9	33.8	*	38.9	37.4	*
Congestive Heart Failure	25	28.0	13.9	*	32.0	21.6	*	32.0	28.2	*
Pneumonia/Influenza	15	13.3	14.8	*	33.3	21.9	*	40.0	27.4	*
Chronic Obstructive Pulmonary Disease	8	0.0	12.9	*	0.0	19.6	*	0.0	25.4	*
Transient Cerebral Ischemia	2	0.0	1.5	*	0.0	3.2	*	0.0	5.0	*
Stroke	17	23.5	18.5	*	29.4	25.3	*	35.3	29.8	*
Hip Fracture	7	28.6	12.7	*	28.6	21.8	*	42.9	27.0	*
Sepsis	3	0.0	29.1	*	0.0	36.3	*	0.0	42.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	4.4	*	0.0	8.0	*	9.1	10.4	*
Open Reduction of Hip Fracture	4	50.0	10.5	*	50.0	18.8	*	50.0	23.8	*
Prostatectomy	9	0.0	0.6	*	0.0	1.5	*	0.0	2.5	*
Cholecystectomy	1	0.0	2.1	*	0.0	3.8	*	0.0	4.6	*
Hysterectomy	5	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	68
Occupancy Rate	84
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	20
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	0
Registered Nurses	43
Licensed Practical Nurses	8

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MILES MEMORIAL HOSPITAL

Medicare Provider Number: 200002

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	444	8.1	8.7	1.9	15.3	13.5	2.3	18.5	17.5	2.9
CONDITIONS:										
Acute Myocardial Infarction	16	31.3	24.6	*	31.3	28.6	*	37.5	32.0	*
Congestive Heart Failure	34	8.8	15.3	*	23.5	23.0	*	32.4	29.3	*
Pneumonia/Influenza	25	28.0	15.6	*	36.0	21.0	*	44.0	25.6	*
Chronic Obstructive Pulmonary Disease	5	20.0	5.9	*	20.0	10.6	*	20.0	14.7	*
Transient Cerebral Ischemia	5	0.0	3.0	*	0.0	6.5	*	0.0	10.3	*
Stroke	12	33.3	23.1	*	41.7	29.6	*	41.7	34.5	*
Hip Fracture	9	0.0	5.3	*	0.0	9.9	*	0.0	13.1	*
Sepsis	3	33.3	28.5	*	33.3	41.9	*	33.3	50.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	2.1	*	0.0	4.5	*	0.0	6.5	*
Open Reduction of Hip Fracture	5	0.0	5.5	*	0.0	10.4	*	0.0	13.5	*
Prostatectomy	13	7.7	0.8	*	7.7	1.7	*	7.7	2.7	*
Cholecystectomy	5	0.0	1.7	*	0.0	3.1	*	0.0	4.7	*
Hysterectomy	2	0.0	0.2	*	0.0	0.5	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	429	8.2	8.7	1.7	11.2	13.6	2.5	14.5	17.6	3.1
CONDITIONS:										
Acute Myocardial Infarction	18	16.7	30.2	*	16.7	33.5	*	22.2	37.4	*
Congestive Heart Failure	30	10.0	16.3	*	10.0	24.8	*	16.7	31.8	*
Pneumonia/Influenza	10	20.0	19.6	*	20.0	25.9	*	30.0	31.0	*
Chronic Obstructive Pulmonary Disease	10	20.0	12.8	*	20.0	21.9	*	20.0	28.4	*
Transient Cerebral Ischemia	8	0.0	2.3	*	0.0	5.4	*	0.0	8.8	*
Stroke	15	26.7	20.3	*	26.7	27.6	*	26.7	32.7	*
Hip Fracture	11	0.0	6.1	*	0.0	10.9	*	0.0	14.0	*
Sepsis	3	33.3	39.5	*	33.3	49.0	*	33.3	54.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	3.9	*	0.0	7.5	*	0.0	10.0	*
Open Reduction of Hip Fracture	7	0.0	5.3	*	0.0	9.7	*	0.0	12.6	*
Prostatectomy	11	0.0	1.0	*	0.0	2.5	*	0.0	4.3	*
Cholecystectomy	1	0.0	7.8	*	0.0	16.4	*	0.0	21.9	*
Hysterectomy	4	25.0	1.8	*	25.0	3.9	*	25.0	5.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MILLINOCKET REGIONAL HOSPITAL

200 Somerset St
Millinocket, ME 04462

Medicare Provider Number: 200003

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	334	7.2	7.7	1.7	9.9	12.1	2.2	12.6	15.9	2.9
CONDITIONS:										
Acute Myocardial Infarction	21	33.3	21.4	*	33.3	24.3	*	33.3	27.6	*
Congestive Heart Failure	25	8.0	12.2	*	16.0	19.3	*	24.0	25.8	*
Pneumonia/Influenza	20	15.0	16.5	*	20.0	23.6	*	25.0	29.1	*
Chronic Obstructive Pulmonary Disease	15	0.0	6.1	*	0.0	11.3	*	0.0	15.9	*
Transient Cerebral Ischemia	4	25.0	4.0	*	25.0	9.7	*	25.0	15.4	*
Stroke	11	36.4	15.0	*	36.4	20.6	*	36.4	24.8	*
Hip Fracture	1	0.0	3.9	*	0.0	7.6	*	0.0	10.6	*
Sepsis	1	0.0	34.3	*	0.0	45.1	*	0.0	57.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	8	0.0	1.1	*	0.0	2.7	*	0.0	4.4	*
Cholecystectomy	6	0.0	1.9	*	0.0	3.4	*	0.0	4.3	*
Hysterectomy	3	0.0	1.4	*	0.0	3.1	*	0.0	4.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	50
Occupancy Rate	46
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	9
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	0
Registered Nurses	25
Licensed Practical Nurses	14

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MILLINOCKET REGIONAL HOSPITAL

Medicare Provider Number: 200003

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	318	5.7	9.8	2.4	11.6	14.8	2.9	15.1	18.6	2.6
CONDITIONS:										
Acute Myocardial Infarction	15	13.3	31.9	*	20.0	35.7	*	26.7	39.3	*
Congestive Heart Failure	19	10.5	15.3	*	31.6	23.5	*	31.6	30.5	*
Pneumonia/Influenza	20	5.0	15.8	*	15.0	21.3	*	20.0	25.8	*
Chronic Obstructive Pulmonary Disease	13	7.7	7.3	*	7.7	12.5	*	15.4	17.3	*
Transient Cerebral Ischemia	2	0.0	2.1	*	0.0	5.3	*	0.0	8.9	*
Stroke	6	0.0	24.6	*	16.7	32.5	*	16.7	37.8	*
Hip Fracture	4	0.0	6.6	*	25.0	12.1	*	25.0	15.9	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	3.4	*	0.0	6.9	*	0.0	9.5	*
Prostatectomy	13	0.0	0.9	*	0.0	2.4	*	7.7	4.1	*
Cholecystectomy	2	0.0	0.9	*	0.0	1.7	*	0.0	2.3	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	310	6.5	9.1	3.1	12.3	13.8	3.1	15.8	17.6	2.6
CONDITIONS:										
Acute Myocardial Infarction	6	0.0	29.2	*	16.7	32.5	*	16.7	35.9	*
Congestive Heart Failure	19	10.5	15.7	*	10.5	23.8	*	15.8	30.6	*
Pneumonia/Influenza	22	13.6	19.4	*	18.2	26.7	*	27.3	32.8	*
Chronic Obstructive Pulmonary Disease	12	0.0	9.9	*	16.7	17.1	*	16.7	22.6	*
Transient Cerebral Ischemia	1	0.0	2.7	*	0.0	6.3	*	0.0	10.3	*
Stroke	8	0.0	19.3	*	12.5	26.5	*	12.5	31.0	*
Hip Fracture	6	16.7	5.6	*	16.7	10.8	*	16.7	14.7	*
Sepsis	1	0.0	23.6	*	0.0	28.0	*	0.0	33.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	33.3	4.2	*	33.3	8.8	*	33.3	12.2	*
Open Reduction of Hip Fracture	0									
Prostatectomy	7	0.0	0.4	*	0.0	0.8	*	0.0	1.4	*
Cholecystectomy	8	0.0	2.2	*	0.0	3.9	*	0.0	4.9	*
Hysterectomy	1	0.0	0.9	*	0.0	1.7	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MT DESERT ISLAND HOSPITAL

Wayman Lane
Bar Harbor, ME 04609

Medicare Provider Number: 200038

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	477	8.0	10.2	1.9	13.0	15.1	2.1	16.4	18.8	2.4
CONDITIONS:										
Acute Myocardial Infarction	21	19.0	32.5	*	28.6	35.7	*	28.6	39.1	*
Congestive Heart Failure	27	14.8	16.8	*	25.9	25.2	*	29.6	32.1	*
Pneumonia/Influenza	33	9.1	17.2	*	24.2	23.9	*	27.3	28.8	*
Chronic Obstructive Pulmonary Disease	9	0.0	11.2	*	11.1	19.5	*	22.2	26.3	*
Transient Cerebral Ischemia	5	0.0	1.1	*	0.0	2.5	*	20.0	4.1	*
Stroke	10	20.0	22.0	*	30.0	28.0	*	50.0	32.4	*
Hip Fracture	0									
Sepsis	4	25.0	32.4	*	25.0	38.5	*	25.0	44.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	6	0.0	0.6	*	0.0	1.4	*	0.0	2.4	*
Cholecystectomy	9	0.0	4.4	*	11.1	7.9	*	11.1	10.3	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	49
Occupancy Rate	55
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	18
Percent of Physicians Board Certified Specialists	56
Medical Residents/Interns	0
Registered Nurses	43
Licensed Practical Nurses	7

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MT DESERT ISLAND HOSPITAL

Medicare Provider Number: 200038

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	497	7.0	10.0	1.7	11.5	15.0	2.0	13.3	18.9	2.4
CONDITIONS:										
Acute Myocardial Infarction	22	31.8	33.7	*	31.8	38.7	*	36.4	42.7	*
Congestive Heart Failure	32	12.5	18.9	*	18.8	28.5	*	18.8	36.1	*
Pneumonia/Influenza	20	5.0	17.6	*	15.0	23.4	*	15.0	28.0	*
Chronic Obstructive Pulmonary Disease	6	33.3	11.7	*	50.0	19.7	*	50.0	26.3	*
Transient Cerebral Ischemia	9	11.1	1.8	*	11.1	4.0	*	22.2	6.4	*
Stroke	20	10.0	21.0	*	25.0	29.0	*	25.0	34.3	*
Hip Fracture	2	0.0	9.3	*	0.0	17.2	*	0.0	22.0	*
Sepsis	6	16.7	33.1	*	16.7	39.1	*	16.7	44.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	33.3	7.9	*	33.3	14.8	*	33.3	20.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	5.7	*	0.0	11.4	*	0.0	15.4	*
Prostatectomy	6	0.0	0.6	*	0.0	1.3	*	16.7	2.2	*
Cholecystectomy	1	0.0	1.5	*	0.0	2.3	*	0.0	2.8	*
Hysterectomy	3	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	521	7.3	8.7	1.3	9.8	13.6	1.9	12.5	17.4	2.3
CONDITIONS:										
Acute Myocardial Infarction	17	23.5	23.7	*	29.4	27.4	*	29.4	31.2	*
Congestive Heart Failure	21	9.5	17.9	*	9.5	27.4	*	14.3	35.2	*
Pneumonia/Influenza	22	0.0	14.9	*	4.5	20.4	*	4.5	25.0	*
Chronic Obstructive Pulmonary Disease	12	8.3	10.8	*	8.3	18.0	*	8.3	23.5	*
Transient Cerebral Ischemia	12	8.3	2.4	*	8.3	5.6	*	8.3	9.0	*
Stroke	11	9.1	18.5	*	18.2	25.1	*	18.2	29.6	*
Hip Fracture	6	16.7	6.1	*	16.7	12.1	*	16.7	16.4	*
Sepsis	2	0.0	24.0	*	0.0	29.0	*	50.0	34.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	8	0.0	1.3	*	0.0	3.0	*	0.0	4.7	*
Cholecystectomy	12	0.0	2.0	*	0.0	3.6	*	0.0	4.6	*
Hysterectomy	5	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NORTHERN CUMBERLAND MEMORIAL HOSPITAL

S High St
Bridgton, ME 04009

Medicare Provider Number: 200007

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	401	8.5	10.9	2.9	14.7	15.7	3.8	17.2	19.5	3.8
CONDITIONS:										
Acute Myocardial Infarction	26	15.4	32.3	*	26.9	35.3	*	26.9	38.5	*
Congestive Heart Failure	30	20.0	16.3	*	33.3	25.3	*	40.0	32.4	*
Pneumonia/Influenza	23	0.0	15.1	*	8.7	20.3	*	13.0	24.3	*
Chronic Obstructive Pulmonary Disease	9	0.0	4.1	*	0.0	8.2	*	11.1	12.1	*
Transient Cerebral Ischemia	12	8.3	2.7	*	16.7	6.0	*	16.7	9.5	*
Stroke	17	5.9	19.7	*	29.4	26.7	*	35.3	31.0	*
Hip Fracture	0									
Sepsis	8	25.0	26.0	*	37.5	32.8	*	37.5	39.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	21.8	*	0.0	28.7	*	0.0	31.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	6	16.7	3.1	*	16.7	4.6	*	16.7	5.2	*
Hysterectomy	2	0.0	3.0	*	0.0	7.5	*	0.0	12.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	40
Occupancy Rate	65
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	45
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	0
Registered Nurses	52
Licensed Practical Nurses	7

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NORTHERN CUMBERLAND MEMORIAL HOSPITAL

Medicare Provider Number: 200007

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	415	10.6	10.7	1.6	16.1	15.5	2.4	19.3	19.4	2.4
CONDITIONS:										
Acute Myocardial Infarction	14	14.3	23.0	*	21.4	25.9	*	21.4	29.1	*
Congestive Heart Failure	34	14.7	15.5	*	23.5	23.7	*	29.4	30.5	*
Pneumonia/Influenza	30	20.0	13.5	*	23.3	18.2	*	23.3	22.0	*
Chronic Obstructive Pulmonary Disease	12	0.0	3.5	*	0.0	7.1	*	0.0	10.4	*
Transient Cerebral Ischemia	8	0.0	2.6	*	12.5	5.9	*	12.5	9.6	*
Stroke	16	25.0	24.0	*	31.3	31.6	*	43.8	36.2	*
Hip Fracture	1	0.0	5.7	*	0.0	10.6	*	0.0	13.7	*
Sepsis	5	40.0	30.4	*	60.0	37.2	*	60.0	43.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	13.4	*	0.0	16.4	*	0.0	19.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	1	0.0	1.9	*	0.0	5.2	*	0.0	8.8	*
Cholecystectomy	8	0.0	6.4	*	0.0	9.4	*	12.5	10.7	*
Hysterectomy	3	0.0	0.6	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	422	9.0	9.9	1.9	13.7	14.6	2.2	17.3	18.5	2.2
CONDITIONS:										
Acute Myocardial Infarction	19	42.1	30.4	*	42.1	33.4	*	42.1	36.6	*
Congestive Heart Failure	45	17.8	16.2	*	22.2	24.2	*	28.9	31.1	*
Pneumonia/Influenza	31	9.7	15.4	*	12.9	21.0	*	12.9	25.3	*
Chronic Obstructive Pulmonary Disease	9	0.0	3.4	*	0.0	6.6	*	0.0	9.4	*
Transient Cerebral Ischemia	12	0.0	2.8	*	8.3	6.2	*	25.0	10.0	*
Stroke	15	13.3	20.8	*	40.0	27.6	*	40.0	32.0	*
Hip Fracture	0									
Sepsis	5	40.0	27.4	*	40.0	33.4	*	40.0	39.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	6.9	*	0.0	14.4	*	0.0	20.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	3	0.0	0.9	*	0.0	2.4	*	0.0	4.0	*
Cholecystectomy	7	0.0	2.4	*	14.3	3.8	*	14.3	4.7	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NORTHERN MAINE MEDICAL CENTER

143 E Main St
Fort Kent, ME 04743

Medicare Provider Number: 200052

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	365	11.0	9.0	2.0	17.8	13.8	2.8	22.5	17.7	3.1
CONDITIONS:										
Acute Myocardial Infarction	20	20.0	21.3	*	25.0	24.1	*	30.0	27.2	*
Congestive Heart Failure	15	20.0	13.4	*	33.3	21.0	*	40.0	27.6	*
Pneumonia/Influenza	21	9.5	11.4	*	23.8	16.1	*	28.6	19.8	*
Chronic Obstructive Pulmonary Disease	10	0.0	10.5	*	0.0	18.6	*	20.0	24.4	*
Transient Cerebral Ischemia	4	0.0	1.3	*	0.0	2.8	*	0.0	4.6	*
Stroke	3	0.0	12.1	*	0.0	17.8	*	0.0	21.5	*
Hip Fracture	9	11.1	8.3	*	11.1	14.9	*	33.3	19.7	*
Sepsis	2	0.0	32.0	*	0.0	38.4	*	0.0	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	6.1	*	16.7	10.3	*	16.7	13.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	33.3	3.9	*	33.3	8.4	*	66.7	12.4	*
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	5	0.0	2.6	*	0.0	4.8	*	0.0	6.5	*
Hysterectomy	1	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	52
Occupancy Rate	39
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	13
Percent of Physicians Board Certified Specialists	77
Medical Residents/Interns	0
Registered Nurses	35
Licensed Practical Nurses	14

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NORTHERN MAINE MEDICAL CENTER

Medicare Provider Number: 200052

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	420	12.1	9.5	1.9	17.4	14.1	2.4	21.7	17.8	2.9
CONDITIONS:										
Acute Myocardial Infarction	19	21.1	22.2	*	26.3	25.0	*	31.6	28.3	*
Congestive Heart Failure	22	27.3	17.3	*	36.4	26.6	*	40.9	33.9	*
Pneumonia/Influenza	31	16.1	13.4	*	22.6	18.9	*	25.8	23.0	*
Chronic Obstructive Pulmonary Disease	8	12.5	7.0	*	12.5	12.5	*	25.0	17.4	*
Transient Cerebral Ischemia	5	0.0	2.5	*	0.0	5.8	*	0.0	9.4	*
Stroke	5	20.0	20.8	*	20.0	27.5	*	60.0	32.3	*
Hip Fracture	9	22.2	5.6	*	22.2	10.2	*	22.2	13.3	*
Sepsis	5	0.0	33.1	*	40.0	40.9	*	60.0	47.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	41.1	*	0.0	48.4	*	0.0	53.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	5.6	*	0.0	10.2	*	0.0	13.5	*
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	8	0.0	1.9	*	0.0	3.4	*	0.0	4.3	*
Hysterectomy	5	0.0	0.3	*	0.0	0.5	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	417	13.4	11.1	1.9	20.4	16.1	2.5	24.5	20.0	2.5
CONDITIONS:										
Acute Myocardial Infarction	20	55.0	23.8	*	55.0	26.5	*	55.0	29.6	*
Congestive Heart Failure	16	37.5	15.7	*	43.8	24.2	*	43.8	31.3	*
Pneumonia/Influenza	33	9.1	16.7	*	21.2	22.8	*	33.3	27.5	*
Chronic Obstructive Pulmonary Disease	9	0.0	10.0	*	0.0	16.2	*	0.0	21.0	*
Transient Cerebral Ischemia	13	0.0	1.8	*	0.0	3.9	*	0.0	6.3	*
Stroke	9	33.3	21.1	*	33.3	28.6	*	33.3	33.4	*
Hip Fracture	7	0.0	7.7	*	14.3	12.6	*	14.3	15.6	*
Sepsis	7	28.6	40.5	*	71.4	48.8	*	71.4	55.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	8	12.5	5.8	*	12.5	10.8	*	25.0	13.7	*
Hysterectomy	3	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PARKVIEW MEMORIAL HOSPITAL

329 Main Street
Brunswick, ME 04011

Medicare Provider Number: 200025

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	361	9.4	9.3	1.5	12.7	13.6	2.1	16.3	17.2	2.1
CONDITIONS:										
Acute Myocardial Infarction	18	22.2	23.9	*	22.2	27.5	*	22.2	30.8	*
Congestive Heart Failure	24	25.0	14.3	*	33.3	22.3	*	37.5	28.9	*
Pneumonia/Influenza	21	23.8	19.1	*	33.3	26.3	*	42.9	31.5	*
Chronic Obstructive Pulmonary Disease	11	0.0	4.1	*	0.0	7.9	*	0.0	11.9	*
Transient Cerebral Ischemia	4	0.0	1.5	*	0.0	3.1	*	0.0	4.9	*
Stroke	9	0.0	22.1	*	11.1	27.7	*	11.1	32.1	*
Hip Fracture	12	8.3	7.0	*	16.7	12.4	*	25.0	16.2	*
Sepsis	1	0.0	17.1	*	0.0	27.8	*	0.0	33.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	6.8	*	0.0	10.5	*	0.0	13.3	*
Carotid Endarterectomy	1	0.0	1.3	*	0.0	2.4	*	0.0	3.6	*
Hip Replacement/Reconstruction	7	0.0	3.9	*	0.0	7.0	*	0.0	9.3	*
Open Reduction of Hip Fracture	4	25.0	7.9	*	25.0	15.0	*	25.0	19.9	*
Prostatectomy	2	0.0	0.3	*	0.0	0.8	*	0.0	1.4	*
Cholecystectomy	10	0.0	2.1	*	0.0	3.7	*	0.0	4.7	*
Hysterectomy	8	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	55
Occupancy Rate	53
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	38
Percent of Physicians Board Certified Specialists	55
Medical Residents/Interns	0
Registered Nurses	60
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

PARKVIEW MEMORIAL HOSPITAL

Medicare Provider Number: 200025

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	352	7.1	9.3	2.5	11.1	14.1	3.2	15.1	17.9	3.4
CONDITIONS:										
Acute Myocardial Infarction	18	22.2	28.5	*	27.8	33.3	*	38.9	37.2	*
Congestive Heart Failure	12	16.7	14.6	*	16.7	22.6	*	25.0	29.6	*
Pneumonia/Influenza	16	18.8	15.8	*	18.8	21.4	*	31.3	25.9	*
Chronic Obstructive Pulmonary Disease	9	0.0	5.0	*	0.0	9.6	*	0.0	13.9	*
Transient Cerebral Ischemia	6	0.0	2.8	*	0.0	6.5	*	0.0	10.4	*
Stroke	8	0.0	22.3	*	0.0	28.8	*	0.0	33.5	*
Hip Fracture	14	7.1	6.3	*	7.1	11.8	*	21.4	15.5	*
Sepsis	1	0.0	7.0	*	0.0	10.1	*	0.0	13.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.8	*	0.0	6.5	*	25.0	9.4	*
Carotid Endarterectomy	3	33.3	1.2	*	33.3	2.2	*	33.3	3.2	*
Hip Replacement/Reconstruction	10	0.0	4.5	*	0.0	9.1	*	20.0	12.5	*
Open Reduction of Hip Fracture	6	16.7	5.9	*	16.7	10.9	*	16.7	14.0	*
Prostatectomy	2	0.0	2.5	*	0.0	6.7	*	0.0	12.3	*
Cholecystectomy	10	0.0	2.4	*	10.0	4.2	*	10.0	5.3	*
Hysterectomy	7	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	355	8.2	9.1	2.2	15.2	13.6	2.5	17.5	17.2	2.7
CONDITIONS:										
Acute Myocardial Infarction	9	22.2	16.8	*	33.3	19.7	*	33.3	22.7	*
Congestive Heart Failure	23	13.0	17.4	*	30.4	26.3	*	34.8	33.6	*
Pneumonia/Influenza	18	22.2	21.2	*	33.3	28.0	*	33.3	32.8	*
Chronic Obstructive Pulmonary Disease	6	0.0	6.4	*	16.7	11.3	*	16.7	15.6	*
Transient Cerebral Ischemia	3	0.0	4.2	*	0.0	9.2	*	0.0	13.7	*
Stroke	6	0.0	13.4	*	33.3	18.7	*	33.3	22.4	*
Hip Fracture	10	10.0	10.7	*	10.0	18.0	*	10.0	22.3	*
Sepsis	3	66.7	34.0	*	66.7	43.8	*	66.7	50.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	5.9	*	50.0	12.5	*	50.0	18.0	*
Carotid Endarterectomy	1	0.0	1.0	*	0.0	1.7	*	0.0	2.3	*
Hip Replacement/Reconstruction	11	9.1	3.8	*	9.1	7.1	*	9.1	9.3	*
Open Reduction of Hip Fracture	4	0.0	10.1	*	0.0	18.0	*	0.0	22.5	*
Prostatectomy	0									
Cholecystectomy	14	7.1	2.9	*	7.1	4.8	*	7.1	6.1	*
Hysterectomy	8	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

125.1

PARKVIEW
MEMORIAL HOSPITAL

MEDICARE PROVIDER NO. 200025

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: **HOSPITAL COMMENTS ON 1989 MEDICARE MORTALITY INFORMATION**

Thank you for providing the opportunity to introduce comments addressing the Medicare mortality information release for Parkview Memorial Hospital.

Parkview Memorial Hospital is a 55-bed, general acute care community hospital serving the medical care needs of a large, mostly rural area of mid-coastal Maine. The patient mix of our facility includes a very wide spectrum of illnesses and injuries from all types of payor groups including Medicare, Medicaid, Blue Cross, numerous commercial insurances, Champus, HMO's, self-pay, and charity. A significant proportion of our Medicare admissions are nursing home patients who usually have multiple medical conditions, indicating a higher level of severity of illness upon admission.

The Department of Medicine and Quality Assurance Manager at Parkview Memorial Hospital review the medical records of all patients who die in the facility, not just Medicare patients. This review for medical management and overall care is part of the on-going monitoring of the healthcare delivery system at the hospital.

The hospital's 1989 Medicare mortality data which you sent in December 1990 has been reviewed by hospital administration, the Directors of Quality Management, Medical Records and Utilization Review and was presented to the medical staff. Our analysis indicates our overall percentage of deaths for Medicare patients due to all causes was nearly equal to the predicted rate for patients within thirty days of admission, but significantly less than the predicted rate for patients within the ninety and one hundred eighty day intervals following the admission. Furthermore, for all seventeen diagnostic categories there were such few mortalities in each category as to preclude any real statistical significance. For example, in the category of open reduction of hip fracture, there were four Medicare cases with one death. This puts us at a 25% observed mortality rate with a predicted rate of 7.9%.

329 Maine Street
Brunswick, Maine 04011
(207) 729-1641

Upon further analysis of this one death we find the patient to be 88 years old and in generally poor health. In most cases multiple system chronic disease processes and severity of illness were contributing factors to the mortality. In over half of these deaths, the patient or family had requested a "do not resuscitate" status.

Age was also one of the variables in the formula to calculate the predicted mortality rates. In our case, over half of the mortalities were eighty years or older. The average age for all mortalities in these groups was 80 with the median at 80 and bimodal at 71 and 86. The age range varied from 61 to 99.

We want to go on record and say that while this information may be useful for clinicians and administrators of hospitals as a tool to help analyze the quality of the services they provide, we do not believe it is an appropriate or meaningful basis for a public release. We believe the data cannot be used as a guide to hospital performance and are of very limited use to the average consumer. Although differences in mortality of various patient populations are identified, the analysis does not and cannot explain why they are different. Much of the difference in hospital mortality, particularly for deaths that occur after the patient left the hospital, may be explained by other factors which can only be revealed through further and more in-depth study.

As previously stated, review of patient treatment by this hospital is an on-going occurrence in a constant endeavor to improve the quality of care to our patients. We appreciate the opportunity to analyze and respond to this report on a review of a specific segment of our patient population.

Sincerely,

Norman L. McBride

Norman L. McBride
President/CEO

NLM/cid

PENOBSCOT BAY MEDICAL CENTER

Glen Cove
Rockland, ME 04841

Medicare Provider Number: 200063

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,239	9.5	9.4	1.0	15.1	14.0	1.3	18.1	17.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	76	22.4	28.7	7.0	25.0	32.3	7.7	25.0	35.7	7.8
Congestive Heart Failure	64	17.2	16.5	4.9	23.4	24.9	5.5	25.0	31.7	6.9
Pneumonia/Influenza	56	7.1	16.6	6.5	23.2	22.5	8.2	26.8	27.0	6.0
Chronic Obstructive Pulmonary Disease	23	8.7	8.3	*	13.0	13.5	*	26.1	18.0	*
Transient Cerebral Ischemia	13	7.7	1.9	*	15.4	4.0	*	15.4	6.2	*
Stroke	41	4.9	20.7	*	12.2	27.1	*	17.1	31.5	*
Hip Fracture	48	6.3	7.6	*	14.6	13.2	*	14.6	16.8	*
Sepsis	14	21.4	25.8	*	28.6	33.2	*	28.6	39.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	4.6	*	11.1	7.6	*	11.1	10.3	*
Carotid Endarterectomy	2	0.0	0.8	*	0.0	1.5	*	0.0	2.1	*
Hip Replacement/Reconstruction	22	4.5	5.5	*	9.1	9.9	*	13.6	12.8	*
Open Reduction of Hip Fracture	12	16.7	7.0	*	25.0	12.7	*	25.0	16.3	*
Prostatectomy	60	1.7	0.6	1.4	3.3	1.5	2.3	3.3	2.7	2.9
Cholecystectomy	29	6.9	3.4	*	10.3	6.5	*	13.8	8.7	*
Hysterectomy	8	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds	106
Ownership/Control	Private, Non-Profit

STAFFING:

Medical Residents/Interns	0
Registered Nurses	125
Licensed Practical Nurses	25

SPECIALTY SERVICES:

Burn Unit	Yes
Coronary Care Unit	No
Hospice	No
Intensive Care Unit	Yes
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

PENOBSCOT BAY MEDICAL CENTER

Medicare Provider Number: 200063

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,244	10.0	9.4	0.9	14.9	13.9	1.4	17.8	17.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	63	25.4	30.1	8.3	31.7	34.0	7.8	36.5	37.7	6.2
Congestive Heart Failure	66	19.7	16.7	4.9	28.8	24.7	6.7	33.3	31.7	6.0
Pneumonia/Influenza	39	12.8	15.6	*	17.9	21.1	*	17.9	25.4	*
Chronic Obstructive Pulmonary Disease	17	11.8	7.4	*	11.8	12.4	*	17.6	17.2	*
Transient Cerebral Ischemia	8	12.5	2.2	*	25.0	4.8	*	25.0	7.6	*
Stroke	51	11.8	21.6	9.8	17.6	28.1	10.2	21.6	32.9	10.3
Hip Fracture	33	6.1	8.0	*	9.1	14.5	*	9.1	18.7	*
Sepsis	14	7.1	25.1	*	14.3	32.9	*	21.4	39.2	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	1.9	*	0.0	3.6	*	0.0	5.4	*
Carotid Endarterectomy	2	0.0	1.3	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	21	0.0	2.8	*	4.8	5.6	*	4.8	7.8	*
Open Reduction of Hip Fracture	14	7.1	6.6	*	7.1	12.9	*	7.1	17.1	*
Prostatectomy	50	6.0	0.8	*	8.0	1.9	*	8.0	3.3	*
Cholecystectomy	27	0.0	2.5	*	7.4	4.4	*	7.4	5.8	*
Hysterectomy	18	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,295	9.7	9.7	0.9	14.4	14.4	1.0	18.1	18.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	66	21.2	29.1	7.5	24.2	32.8	6.9	34.8	36.4	7.1
Congestive Heart Failure	55	14.5	18.0	6.0	23.6	26.2	8.0	30.9	33.2	7.4
Pneumonia/Influenza	51	17.6	16.4	5.5	17.6	22.0	7.6	21.6	26.6	10.1
Chronic Obstructive Pulmonary Disease	12	16.7	10.6	*	16.7	16.8	*	25.0	21.0	*
Transient Cerebral Ischemia	13	0.0	2.7	*	7.7	6.0	*	23.1	9.7	*
Stroke	59	15.3	20.7	8.3	18.6	26.8	10.9	22.0	31.4	13.2
Hip Fracture	39	2.6	6.9	*	12.8	12.5	*	12.8	16.3	*
Sepsis	16	12.5	30.1	*	18.8	39.3	*	25.0	46.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	5.3	*	11.1	9.2	*	11.1	12.1	*
Carotid Endarterectomy	2	0.0	1.3	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	36	0.0	3.0	*	5.6	5.8	*	5.6	7.8	*
Open Reduction of Hip Fracture	19	5.3	5.4	*	15.8	10.4	*	15.8	13.8	*
Prostatectomy	65	1.5	0.9	2.1	4.6	2.3	4.0	7.7	3.8	5.7
Cholecystectomy	33	3.0	2.9	*	6.1	4.8	*	6.1	6.0	*
Hysterectomy	13	0.0	1.1	*	7.7	2.3	*	7.7	3.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PENOBSCOT VALLEY HOSPITAL

Transalpine Rd, Box 368
Lincoln, ME 04457

Medicare Provider Number: 200062

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	289	7.6	9.8	2.4	11.8	14.7	3.3	14.5	18.8	3.8
CONDITIONS:										
Acute Myocardial Infarction	16	18.8	28.3	*	18.8	31.7	*	18.8	35.4	*
Congestive Heart Failure	21	9.5	14.3	*	14.3	22.2	*	33.3	29.0	*
Pneumonia/Influenza	33	15.2	13.8	*	21.2	18.7	*	21.2	22.8	*
Chronic Obstructive Pulmonary Disease	9	11.1	13.3	*	11.1	22.0	*	22.2	28.3	*
Transient Cerebral Ischemia	3	0.0	1.5	*	0.0	3.4	*	0.0	5.5	*
Stroke	10	20.0	17.9	*	30.0	23.0	*	30.0	27.1	*
Hip Fracture	1	0.0	11.6	*	0.0	23.2	*	0.0	31.5	*
Sepsis	1	0.0	22.7	*	0.0	31.7	*	0.0	35.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	2	0.0	1.3	*	0.0	2.4	*	0.0	3.3	*
Hysterectomy	2	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	42
Occupancy Rate	62
Ownership/Control	District/Authority

STAFFING: (As of September 30, 1989)

Total Number of Physicians	8
Percent of Physicians Board Certified Specialists	88
Medical Residents/Interns	0
Registered Nurses	19
Licensed Practical Nurses	8

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

PENOBSCOT VALLEY HOSPITAL

Medicare Provider Number: 200062

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	284	9.9	9.8	1.8	14.4	14.5	2.4	16.9	18.3	2.9
CONDITIONS:										
Acute Myocardial Infarction	16	25.0	22.8	*	37.5	26.4	*	37.5	29.9	*
Congestive Heart Failure	19	10.5	15.8	*	15.8	24.2	*	21.1	31.1	*
Pneumonia/Influenza	26	15.4	16.0	*	19.2	21.8	*	26.9	26.4	*
Chronic Obstructive Pulmonary Disease	10	10.0	11.2	*	10.0	20.6	*	20.0	28.5	*
Transient Cerebral Ischemia	2	0.0	1.3	*	0.0	2.7	*	0.0	4.1	*
Stroke	8	12.5	15.0	*	12.5	20.5	*	12.5	24.5	*
Hip Fracture	1	0.0	9.8	*	0.0	17.2	*	0.0	21.2	*
Sepsis	1	0.0	22.8	*	0.0	26.7	*	0.0	31.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	8	12.5	3.0	*	12.5	4.9	*	12.5	6.1	*
Hysterectomy	2	0.0	0.9	*	0.0	1.7	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	295	9.5	10.0	1.8	11.5	14.7	2.3	13.6	18.6	2.7
CONDITIONS:										
Acute Myocardial Infarction	11	36.4	30.7	*	36.4	34.9	*	36.4	39.3	*
Congestive Heart Failure	31	9.7	16.6	*	16.1	25.6	*	25.8	33.1	*
Pneumonia/Influenza	35	14.3	18.5	*	17.1	24.9	*	17.1	30.1	*
Chronic Obstructive Pulmonary Disease	3	0.0	8.0	*	0.0	12.7	*	0.0	16.5	*
Transient Cerebral Ischemia	3	0.0	4.2	*	0.0	9.8	*	33.3	15.9	*
Stroke	16	31.3	23.1	*	37.5	29.6	*	37.5	34.3	*
Hip Fracture	2	0.0	5.8	*	0.0	10.2	*	0.0	13.0	*
Sepsis	1	0.0	19.3	*	0.0	29.1	*	0.0	36.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	1	0.0	1.3	*	0.0	3.4	*	0.0	5.7	*
Cholecystectomy	8	0.0	1.3	*	0.0	2.4	*	0.0	3.3	*
Hysterectomy	4	0.0	0.7	*	0.0	1.3	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

REDINGTON FAIRVIEW GENERAL HOSPITAL

Fairview Ave
Skowhegan, ME 04976

Medicare Provider Number: 200012

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	696	10.3	9.8	1.3	14.1	14.8	1.6	17.5	18.8	2.2
CONDITIONS:										
Acute Myocardial Infarction	30	23.3	28.1	*	26.7	31.2	*	26.7	34.6	*
Congestive Heart Failure	68	19.1	14.3	6.5	25.0	22.6	5.9	29.4	29.4	5.7
Pneumonia/Influenza	48	8.3	13.5	*	12.5	18.3	*	18.8	22.5	*
Chronic Obstructive Pulmonary Disease	19	10.5	4.3	*	10.5	8.9	*	10.5	13.3	*
Transient Cerebral Ischemia	2	0.0	2.3	*	0.0	5.3	*	50.0	8.7	*
Stroke	24	33.3	22.4	*	41.7	28.8	*	54.2	33.6	*
Hip Fracture	23	8.7	7.9	*	13.0	13.8	*	13.0	17.5	*
Sepsis	5	20.0	31.7	*	20.0	41.2	*	20.0	48.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	5.6	*	20.0	8.5	*	20.0	10.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	6.7	6.3	*	13.3	11.0	*	13.3	13.8	*
Open Reduction of Hip Fracture	12	8.3	5.9	*	8.3	11.0	*	8.3	14.5	*
Prostatectomy	12	0.0	1.8	*	0.0	4.5	*	0.0	7.8	*
Cholecystectomy	13	7.7	2.8	*	7.7	4.3	*	15.4	5.2	*
Hysterectomy	5	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	72
Occupancy Rate	58
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	26
Percent of Physicians Board Certified Specialists	73
Medical Residents/Interns	0
Registered Nurses	62
Licensed Practical Nurses	36

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

REDINGTON FAIRVIEW GENERAL HOSPITAL

Medicare Provider Number: 200012

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	760	8.8	9.6	1.7	15.0	14.5	1.7	18.6	18.5	1.7
CONDITIONS:										
Acute Myocardial Infarction	36	19.4	26.3	*	25.0	29.1	*	25.0	32.5	*
Congestive Heart Failure	62	16.1	16.6	4.7	25.8	25.4	7.6	29.0	32.3	6.7
Pneumonia/Influenza	39	17.9	16.9	*	23.1	22.8	*	30.8	27.5	*
Chronic Obstructive Pulmonary Disease	16	0.0	5.3	*	0.0	10.2	*	0.0	14.4	*
Transient Cerebral Ischemia	6	0.0	2.1	*	0.0	4.8	*	0.0	7.5	*
Stroke	29	20.7	18.9	*	27.6	24.3	*	31.0	28.6	*
Hip Fracture	17	5.9	7.4	*	11.8	13.1	*	11.8	16.7	*
Sepsis	9	33.3	28.3	*	44.4	34.0	*	44.4	40.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	4.1	*	0.0	7.6	*	0.0	10.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	0.0	3.3	*	0.0	6.4	*	0.0	8.6	*
Open Reduction of Hip Fracture	9	11.1	7.2	*	22.2	13.1	*	22.2	16.8	*
Prostatectomy	14	0.0	1.3	*	7.1	3.4	*	7.1	5.8	*
Cholecystectomy	14	14.3	3.7	*	14.3	7.3	*	14.3	10.0	*
Hysterectomy	6	0.0	0.5	*	0.0	1.3	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	747	8.8	9.0	1.1	14.3	14.0	1.8	17.4	18.0	1.5
CONDITIONS:										
Acute Myocardial Infarction	27	25.9	28.8	*	33.3	32.0	*	37.0	35.7	*
Congestive Heart Failure	60	18.3	15.4	5.3	26.7	23.7	6.2	28.3	30.6	6.9
Pneumonia/Influenza	41	9.8	15.2	*	17.1	20.8	*	19.5	25.3	*
Chronic Obstructive Pulmonary Disease	8	0.0	7.5	*	0.0	12.7	*	12.5	17.2	*
Transient Cerebral Ischemia	6	0.0	1.4	*	0.0	3.1	*	16.7	4.9	*
Stroke	24	20.8	21.5	*	33.3	28.1	*	37.5	33.1	*
Hip Fracture	21	4.8	6.1	*	9.5	11.3	*	9.5	14.8	*
Sepsis	2	50.0	34.0	*	50.0	45.8	*	50.0	53.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	8.9	*	0.0	16.5	*	0.0	21.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	4.7	*	0.0	8.8	*	0.0	11.7	*
Open Reduction of Hip Fracture	11	9.1	4.9	*	18.2	9.6	*	18.2	13.0	*
Prostatectomy	15	0.0	1.3	*	6.7	3.2	*	6.7	5.3	*
Cholecystectomy	12	0.0	1.3	*	0.0	2.1	*	0.0	2.6	*
Hysterectomy	6	0.0	0.3	*	0.0	0.9	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

REGIONAL MEMORIAL HOSPITAL

58 Baribeau Dr
Brunswick, ME 04011

Medicare Provider Number: 200044

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	742	10.6	9.7	1.2	15.5	14.9	1.4	18.6	18.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	21	23.8	25.5	*	23.8	28.5	*	33.3	31.9	*
Congestive Heart Failure	36	22.2	16.3	*	25.0	25.1	*	33.3	32.3	*
Pneumonia/Influenza	31	19.4	16.5	*	29.0	22.3	*	32.3	26.9	*
Chronic Obstructive Pulmonary Disease	14	0.0	5.9	*	0.0	10.6	*	0.0	15.0	*
Transient Cerebral Ischemia	7	0.0	1.7	*	0.0	4.0	*	14.3	6.4	*
Stroke	38	15.8	18.8	*	21.1	25.7	*	26.3	30.2	*
Hip Fracture	25	12.0	5.7	*	20.0	10.1	*	20.0	13.0	*
Sepsis	9	44.4	23.9	*	44.4	31.8	*	44.4	37.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	3.9	*	0.0	6.4	*	0.0	8.7	*
Carotid Endarterectomy	7	0.0	1.3	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	17	5.9	1.9	*	11.8	3.7	*	11.8	4.9	*
Open Reduction of Hip Fracture	8	0.0	4.5	*	0.0	8.3	*	0.0	11.0	*
Prostatectomy	12	0.0	1.3	*	0.0	3.1	*	0.0	5.1	*
Cholecystectomy	15	0.0	2.0	*	0.0	3.9	*	6.7	5.2	*
Hysterectomy	3	0.0	0.5	*	0.0	1.2	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	102
Occupancy Rate	52
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	50
Percent of Physicians Board Certified Specialists	82
Medical Residents/Interns	0
Registered Nurses	116
Licensed Practical Nurses	18

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

REGIONAL MEMORIAL HOSPITAL

Medicare Provider Number: 200044

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	727	6.7	8.8	1.9	11.7	13.4	2.3	14.9	16.9	2.3
CONDITIONS:										
Acute Myocardial Infarction	32	18.8	28.1	*	25.0	31.4	*	28.1	35.0	*
Congestive Heart Failure	33	15.2	16.9	*	33.3	25.7	*	36.4	33.0	*
Pneumonia/Influenza	30	16.7	17.1	*	20.0	23.9	*	20.0	28.8	*
Chronic Obstructive Pulmonary Disease	12	0.0	7.0	*	0.0	11.9	*	0.0	16.4	*
Transient Cerebral Ischemia	8	0.0	1.7	*	0.0	3.5	*	0.0	5.5	*
Stroke	31	19.4	21.4	*	29.0	28.4	*	38.7	33.2	*
Hip Fracture	13	7.7	7.2	*	23.1	13.9	*	23.1	18.3	*
Sepsis	3	0.0	45.0	*	33.3	55.6	*	33.3	63.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.4	*	0.0	4.7	*	0.0	7.1	*
Carotid Endarterectomy	4	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	7	14.3	3.2	*	42.9	6.3	*	42.9	8.3	*
Open Reduction of Hip Fracture	4	0.0	5.3	*	0.0	11.1	*	0.0	15.7	*
Prostatectomy	18	0.0	0.6	*	0.0	1.3	*	5.6	2.0	*
Cholecystectomy	10	0.0	2.1	*	0.0	3.6	*	0.0	4.7	*
Hysterectomy	4	0.0	0.2	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	767	8.7	8.9	1.1	13.4	13.5	1.4	16.6	17.0	1.4
CONDITIONS:										
Acute Myocardial Infarction	25	28.0	30.6	*	32.0	34.8	*	40.0	38.6	*
Congestive Heart Failure	32	18.8	17.7	*	34.4	26.3	*	40.6	33.4	*
Pneumonia/Influenza	28	17.9	19.1	*	21.4	25.4	*	25.0	29.9	*
Chronic Obstructive Pulmonary Disease	18	11.1	10.6	*	16.7	17.6	*	16.7	23.2	*
Transient Cerebral Ischemia	17	0.0	2.3	*	5.9	4.9	*	5.9	7.6	*
Stroke	30	16.7	17.7	*	20.0	24.0	*	36.7	28.2	*
Hip Fracture	13	7.7	6.7	*	7.7	12.1	*	7.7	15.6	*
Sepsis	10	40.0	32.8	*	40.0	39.6	*	40.0	45.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	2.4	*	11.1	4.9	*	11.1	7.3	*
Carotid Endarterectomy	6	0.0	1.3	*	16.7	2.4	*	16.7	3.4	*
Hip Replacement/Reconstruction	12	0.0	2.9	*	0.0	5.6	*	0.0	7.3	*
Open Reduction of Hip Fracture	4	0.0	4.9	*	0.0	8.9	*	0.0	11.5	*
Prostatectomy	10	0.0	1.4	*	0.0	3.3	*	0.0	5.1	*
Cholecystectomy	16	0.0	3.9	*	6.3	6.5	*	6.3	8.0	*
Hysterectomy	5	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

RUMFORD COMMUNITY HOSPITAL

420 Franklin St
Rumford, ME 04276

Medicare Provider Number: 200016

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	599	11.0	9.4	1.6	15.2	13.9	1.7	18.5	17.6	1.7
CONDITIONS:										
Acute Myocardial Infarction	28	35.7	27.7	*	39.3	32.2	*	46.4	36.2	*
Congestive Heart Failure	26	19.2	14.9	*	30.8	22.7	*	38.5	29.2	*
Pneumonia/Influenza	36	16.7	13.7	*	27.8	18.6	*	33.3	22.6	*
Chronic Obstructive Pulmonary Disease	14	7.1	6.9	*	7.1	12.8	*	7.1	18.1	*
Transient Cerebral Ischemia	8	0.0	2.8	*	0.0	6.5	*	0.0	10.5	*
Stroke	21	38.1	26.0	*	38.1	31.7	*	38.1	35.9	*
Hip Fracture	0									
Sepsis	8	25.0	29.6	*	25.0	35.4	*	25.0	40.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	100.0	7.1	*	100.0	16.0	*	100.0	23.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	12	0.0	5.4	*	0.0	8.0	*	0.0	10.9	*
Cholecystectomy	12	0.0	2.6	*	0.0	4.9	*	8.3	6.6	*
Hysterectomy	5	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	63
Occupancy Rate	49
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	14
Percent of Physicians Board Certified Specialists	64
Medical Residents/Interns	0
Registered Nurses	49
Licensed Practical Nurses	13

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

RUMFORD COMMUNITY HOSPITAL

Medicare Provider Number: 200016

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	551	6.5	11.0	1.9	11.4	15.9	2.0	16.5	19.9	2.0
CONDITIONS:										
Acute Myocardial Infarction	32	15.6	25.6	*	18.8	29.4	*	21.9	33.1	*
Congestive Heart Failure	37	10.8	18.1	*	24.3	24.9	*	27.0	31.6	*
Pneumonia/Influenza	39	5.1	17.5	*	17.9	23.6	*	25.6	28.3	*
Chronic Obstructive Pulmonary Disease	9	0.0	12.4	*	0.0	21.1	*	0.0	27.8	*
Transient Cerebral Ischemia	7	0.0	2.4	*	0.0	5.2	*	0.0	8.1	*
Stroke	23	17.4	21.4	*	21.7	27.2	*	26.1	31.3	*
Hip Fracture	0									
Sepsis	10	10.0	32.4	*	10.0	39.8	*	30.0	45.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	4.9	*	0.0	9.1	*	0.0	12.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	12	0.0	1.9	*	8.3	4.7	*	8.3	7.9	*
Cholecystectomy	8	0.0	2.0	*	0.0	3.3	*	0.0	4.2	*
Hysterectomy	4	0.0	0.9	*	0.0	1.7	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	545	9.4	10.1	1.4	13.2	15.0	1.6	15.8	19.1	2.0
CONDITIONS:										
Acute Myocardial Infarction	30	23.3	33.4	*	26.7	36.5	*	30.0	39.8	*
Congestive Heart Failure	24	8.3	22.1	*	12.5	30.2	*	20.8	37.0	*
Pneumonia/Influenza	27	14.8	17.0	*	25.9	22.7	*	25.9	27.3	*
Chronic Obstructive Pulmonary Disease	7	14.3	11.1	*	14.3	16.6	*	14.3	22.0	*
Transient Cerebral Ischemia	5	0.0	2.1	*	0.0	4.2	*	20.0	6.5	*
Stroke	18	22.2	21.8	*	27.8	28.6	*	33.3	33.1	*
Hip Fracture	5	20.0	8.8	*	20.0	16.5	*	20.0	21.9	*
Sepsis	1	0.0	34.8	*	100.0	40.2	*	100.0	47.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	5.2	*	40.0	9.4	*	40.0	12.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	7.0	*	0.0	13.7	*	0.0	18.4	*
Open Reduction of Hip Fracture	1	0.0	12.3	*	0.0	25.1	*	0.0	34.8	*
Prostatectomy	13	0.0	2.3	*	0.0	5.6	*	0.0	9.3	*
Cholecystectomy	8	0.0	3.5	*	0.0	6.3	*	0.0	8.0	*
Hysterectomy	5	0.0	1.0	*	0.0	2.1	*	0.0	3.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SEBASTICOOK VALLEY HOSPITAL

Grove Hill
Pittsfield, ME 04967

Medicare Provider Number: 200028

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	265	9.1	9.0	1.8	11.7	13.9	2.3	14.0	18.0	2.9
CONDITIONS:										
Acute Myocardial Infarction	9	22.2	19.6	*	22.2	22.6	*	22.2	25.8	*
Congestive Heart Failure	23	8.7	15.4	*	8.7	23.5	*	13.0	30.5	*
Pneumonia/Influenza	16	18.8	19.1	*	25.0	26.1	*	25.0	31.2	*
Chronic Obstructive Pulmonary Disease	3	0.0	7.8	*	0.0	12.2	*	33.3	15.9	*
Transient Cerebral Ischemia	2	0.0	1.4	*	0.0	3.0	*	0.0	4.7	*
Stroke	5	0.0	13.7	*	0.0	18.5	*	0.0	22.1	*
Hip Fracture	0									
Sepsis	8	12.5	17.0	*	12.5	22.0	*	12.5	26.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	8	0.0	1.5	*	12.5	2.7	*	12.5	3.5	*
Hysterectomy	1	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	24
Occupancy Rate	54
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	8
Percent of Physicians Board Certified Specialists	50
Medical Residents/Interns	0
Registered Nurses	21
Licensed Practical Nurses	8

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SEBASTICOOK VALLEY HOSPITAL

Medicare Provider Number: 200028

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	237	13.5	13.7	2.5	22.4	19.6	3.5	25.7	23.9	3.5
CONDITIONS:										
Acute Myocardial Infarction	20	25.0	28.8	*	30.0	31.8	*	30.0	35.2	*
Congestive Heart Failure	15	26.7	17.8	*	46.7	28.0	*	53.3	36.0	*
Pneumonia/Influenza	25	8.0	16.7	*	12.0	22.2	*	20.0	26.6	*
Chronic Obstructive Pulmonary Disease	3	0.0	4.0	*	0.0	8.7	*	0.0	13.1	*
Transient Cerebral Ischemia	5	0.0	2.0	*	0.0	4.6	*	0.0	7.3	*
Stroke	10	20.0	28.6	*	20.0	34.3	*	20.0	38.9	*
Hip Fracture	1	0.0	2.8	*	0.0	5.9	*	0.0	9.0	*
Sepsis	3	33.3	21.0	*	66.7	28.5	*	66.7	34.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	2	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	248	13.3	10.6	3.2	19.4	15.9	3.2	22.6	20.1	3.1
CONDITIONS:										
Acute Myocardial Infarction	11	36.4	27.7	*	36.4	30.6	*	36.4	33.9	*
Congestive Heart Failure	17	23.5	16.2	*	29.4	24.9	*	41.2	32.0	*
Pneumonia/Influenza	17	23.5	15.3	*	47.1	20.8	*	47.1	25.2	*
Chronic Obstructive Pulmonary Disease	5	0.0	4.7	*	0.0	8.0	*	0.0	11.0	*
Transient Cerebral Ischemia	5	20.0	2.8	*	20.0	6.0	*	20.0	9.8	*
Stroke	13	30.8	23.9	*	30.8	30.1	*	38.5	34.6	*
Hip Fracture	0									
Sepsis	1	0.0	35.3	*	0.0	41.1	*	0.0	47.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	2	0.0	2.1	*	0.0	5.4	*	0.0	9.2	*
Cholecystectomy	2	0.0	1.6	*	0.0	2.7	*	0.0	3.4	*
Hysterectomy	2	0.0	2.4	*	0.0	5.0	*	0.0	8.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST ANDREWS HOSPITAL

3 St Andrews Lane
Boothbay Harbor, ME 04538

Medicare Provider Number: 200006

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	180	10.0	12.1	3.1	14.4	17.7	4.1	17.8	21.8	4.2
CONDITIONS:										
Acute Myocardial Infarction	11	18.2	26.8	*	18.2	29.5	*	27.3	32.6	*
Congestive Heart Failure	9	0.0	13.8	*	11.1	21.2	*	22.2	27.8	*
Pneumonia/Influenza	12	16.7	16.9	*	16.7	23.6	*	16.7	27.8	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	3	0.0	2.1	*	0.0	4.9	*	0.0	8.1	*
Stroke	7	14.3	16.9	*	14.3	23.1	*	14.3	27.2	*
Hip Fracture	4	25.0	8.8	*	25.0	17.3	*	25.0	23.7	*
Sepsis	1	0.0	31.4	*	0.0	35.9	*	0.0	40.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	9.0	*	50.0	19.3	*	50.0	27.1	*
Open Reduction of Hip Fracture	3	33.3	7.5	*	33.3	15.3	*	33.3	21.1	*
Prostatectomy	3	0.0	1.2	*	0.0	2.6	*	0.0	4.0	*
Cholecystectomy	1	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds	22
Ownership/Control	Church
STAFFING:	
Medical Residents/Interns	0
Registered Nurses	15
Licensed Practical Nurses	6

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	No
Hospice	No
Intensive Care Unit	No
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

ST ANDREWS HOSPITAL

Medicare Provider Number: 200006

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	159	9.4	10.0	2.9	16.4	14.9	3.2	18.9	18.7	3.2
CONDITIONS:										
Acute Myocardial Infarction	9	22.2	23.5	*	33.3	29.0	*	33.3	34.2	*
Congestive Heart Failure	10	10.0	10.8	*	20.0	17.0	*	20.0	22.6	*
Pneumonia/Influenza	6	16.7	16.4	*	16.7	22.8	*	16.7	28.1	*
Chronic Obstructive Pulmonary Disease	1	0.0	8.6	*	0.0	15.6	*	0.0	22.0	*
Transient Cerebral Ischemia	1	0.0	2.7	*	0.0	6.5	*	0.0	10.7	*
Stroke	5	0.0	17.3	*	20.0	22.7	*	20.0	27.0	*
Hip Fracture	12	0.0	5.2	*	8.3	9.4	*	8.3	12.3	*
Sepsis	3	33.3	34.3	*	33.3	43.8	*	33.3	51.3	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	4.2	*	16.7	8.7	*	16.7	11.9	*
Open Reduction of Hip Fracture	6	0.0	5.0	*	0.0	9.0	*	0.0	11.6	*
Prostatectomy	4	0.0	0.3	*	0.0	0.8	*	0.0	1.4	*
Cholecystectomy	6	0.0	0.8	*	0.0	1.6	*	0.0	2.1	*
Hysterectomy	2	0.0	0.5	*	0.0	1.2	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	163	11.0	9.7	2.5	12.9	14.2	3.4	18.4	18.0	3.4
CONDITIONS:										
Acute Myocardial Infarction	13	23.1	24.6	*	30.8	27.3	*	30.8	30.5	*
Congestive Heart Failure	8	12.5	13.5	*	12.5	20.2	*	12.5	26.4	*
Pneumonia/Influenza	5	20.0	12.9	*	40.0	17.6	*	40.0	21.6	*
Chronic Obstructive Pulmonary Disease	2	0.0	9.1	*	0.0	19.2	*	0.0	27.3	*
Transient Cerebral Ischemia	1	0.0	1.6	*	0.0	3.1	*	0.0	4.7	*
Stroke	4	25.0	14.7	*	25.0	20.5	*	25.0	24.6	*
Hip Fracture	7	14.3	5.0	*	14.3	9.3	*	14.3	12.3	*
Sepsis	4	25.0	28.2	*	25.0	35.1	*	25.0	41.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	3.4	*	0.0	6.6	*	0.0	9.0	*
Open Reduction of Hip Fracture	3	0.0	4.3	*	0.0	8.3	*	0.0	11.1	*
Prostatectomy	1	0.0	5.1	*	0.0	14.5	*	0.0	26.8	*
Cholecystectomy	5	0.0	1.6	*	0.0	2.7	*	0.0	3.5	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST JOSEPH HOSPITAL

360 Broadway
Bangor, ME 04401

Medicare Provider Number: 200001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	942	8.6	7.5	1.4	13.9	11.6	1.4	16.8	14.9	1.4
CONDITIONS:										
Acute Myocardial Infarction	28	14.3	24.7	*	17.9	28.9	*	25.0	32.3	*
Congestive Heart Failure	46	13.0	14.5	*	19.6	23.0	*	28.3	29.7	*
Pneumonia/Influenza	42	7.1	14.0	*	9.5	19.0	*	14.3	22.9	*
Chronic Obstructive Pulmonary Disease	14	7.1	8.3	*	28.6	14.0	*	35.7	18.7	*
Transient Cerebral Ischemia	8	0.0	1.7	*	0.0	3.6	*	25.0	5.6	*
Stroke	32	21.9	18.9	*	28.1	25.1	*	28.1	29.4	*
Hip Fracture	35	8.6	5.1	*	14.3	9.2	*	14.3	12.0	*
Sepsis	5	80.0	32.2	*	80.0	44.4	*	80.0	51.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	3.7	*	5.3	8.0	*	10.5	12.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	31	6.5	2.0	*	6.5	3.9	*	6.5	5.3	*
Open Reduction of Hip Fracture	17	5.9	4.9	*	17.6	9.2	*	17.6	12.0	*
Prostatectomy	43	0.0	0.5	*	2.3	1.3	*	2.3	2.3	*
Cholecystectomy	22	0.0	5.7	*	0.0	8.7	*	0.0	10.1	*
Hysterectomy	7	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	93
Occupancy Rate	75
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	171
Percent of Physicians Board Certified Specialists	61
Medical Residents/Interns	0
Registered Nurses	110
Licensed Practical Nurses	52

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ST JOSEPH HOSPITAL

Medicare Provider Number: 200001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	991	9.2	7.2	1.2	14.1	11.2	1.7	17.5	14.5	1.8
CONDITIONS:										
Acute Myocardial Infarction	50	32.0	27.0	*	38.0	30.4	*	46.0	33.9	*
Congestive Heart Failure	42	14.3	11.9	*	19.0	18.9	*	23.8	25.1	*
Pneumonia/Influenza	43	9.3	11.8	*	16.3	16.8	*	16.3	20.9	*
Chronic Obstructive Pulmonary Disease	14	14.3	4.4	*	21.4	8.5	*	21.4	12.1	*
Transient Cerebral Ischemia	7	0.0	1.3	*	0.0	2.7	*	0.0	4.2	*
Stroke	33	27.3	16.6	*	30.3	22.7	*	33.3	27.3	*
Hip Fracture	23	0.0	4.0	*	8.7	7.8	*	17.4	10.6	*
Sepsis	10	10.0	19.3	*	20.0	25.8	*	20.0	31.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	0.0	3.6	*	0.0	6.5	*	0.0	9.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	18	0.0	1.6	*	11.1	3.3	*	16.7	4.8	*
Open Reduction of Hip Fracture	13	0.0	4.1	*	0.0	8.2	*	7.7	11.3	*
Prostatectomy	57	1.8	0.6	2.9	3.5	1.6	4.6	8.8	2.7	3.3
Cholecystectomy	23	4.3	1.9	*	4.3	3.6	*	8.7	4.8	*
Hysterectomy	8	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	897	7.8	7.4	1.0	11.7	11.6	1.1	14.9	15.0	1.3
CONDITIONS:										
Acute Myocardial Infarction	25	36.0	29.3	*	44.0	33.3	*	48.0	36.7	*
Congestive Heart Failure	57	10.5	15.1	6.8	22.8	23.7	9.1	24.6	30.7	9.3
Pneumonia/Influenza	38	5.3	13.6	*	18.4	19.0	*	23.7	23.4	*
Chronic Obstructive Pulmonary Disease	14	21.4	5.1	*	21.4	9.2	*	21.4	12.8	*
Transient Cerebral Ischemia	5	0.0	1.5	*	0.0	3.5	*	0.0	5.6	*
Stroke	28	25.0	18.9	*	28.6	24.8	*	28.6	29.3	*
Hip Fracture	21	4.8	5.1	*	4.8	10.1	*	19.0	13.8	*
Sepsis	11	27.3	31.8	*	27.3	43.3	*	27.3	50.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	1.6	*	0.0	3.7	*	0.0	5.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	18	0.0	3.0	*	0.0	6.2	*	5.6	8.6	*
Open Reduction of Hip Fracture	8	0.0	5.2	*	0.0	10.8	*	25.0	15.2	*
Prostatectomy	35	0.0	0.8	*	2.9	1.9	*	2.9	3.4	*
Cholecystectomy	18	5.6	2.8	*	5.6	4.9	*	16.7	6.1	*
Hysterectomy	4	0.0	0.6	*	0.0	1.4	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST MARYS GENERAL HOSPITAL

45 Golder St
Lewiston, ME 04240

Medicare Provider Number: 200034

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,378	7.4	8.4	1.0	12.0	12.7	1.0	15.3	16.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	48	29.2	29.8	*	35.4	32.8	*	39.6	36.0	*
Congestive Heart Failure	68	16.2	15.3	5.9	27.9	23.7	11.1	35.3	30.5	10.2
Pneumonia/Influenza	65	12.3	15.9	6.2	16.9	21.4	6.5	26.2	26.0	5.6
Chronic Obstructive Pulmonary Disease	24	8.3	5.4	*	12.5	9.7	*	16.7	13.8	*
Transient Cerebral Ischemia	15	0.0	2.1	*	0.0	4.8	*	0.0	7.6	*
Stroke	43	16.3	19.9	*	27.9	26.1	*	27.9	30.5	*
Hip Fracture	35	8.6	7.7	*	8.6	13.2	*	8.6	16.9	*
Sepsis	13	23.1	27.8	*	46.2	37.6	*	46.2	44.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	5.4	*	0.0	7.9	*	10.0	10.3	*
Carotid Endarterectomy	3	0.0	1.8	*	0.0	3.2	*	0.0	4.8	*
Hip Replacement/Reconstruction	16	0.0	5.4	*	0.0	9.6	*	0.0	12.4	*
Open Reduction of Hip Fracture	22	9.1	6.0	*	9.1	10.9	*	9.1	14.1	*
Prostatectomy	42	0.0	0.7	*	0.0	1.8	*	2.4	3.2	*
Cholecystectomy	35	2.9	2.5	*	8.6	4.1	*	8.6	5.1	*
Hysterectomy	9	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	233
Occupancy Rate	63
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	129
Percent of Physicians Board Certified Specialists	53
Medical Residents/Interns	0
Registered Nurses	171
Licensed Practical Nurses	46

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ST MARYS GENERAL HOSPITAL

Medicare Provider Number: 200034

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,496	8.4	9.3	1.2	13.6	13.9	1.1	17.3	17.6	1.0
CONDITIONS:										
Acute Myocardial Infarction	71	22.5	27.8	8.4	25.4	31.1	9.4	28.2	34.6	10.0
Congestive Heart Failure	80	16.2	15.6	4.2	32.5	23.5	5.4	47.5	30.2	7.0
Pneumonia/Influenza	40	12.5	17.0	*	20.0	22.9	*	25.0	27.6	*
Chronic Obstructive Pulmonary Disease	22	4.5	5.2	*	4.5	9.5	*	9.1	13.2	*
Transient Cerebral Ischemia	17	0.0	2.0	*	0.0	4.2	*	5.9	6.6	*
Stroke	50	26.0	22.1	*	34.0	28.0	*	36.0	32.3	*
Hip Fracture	39	2.6	7.7	*	7.7	13.6	*	12.8	17.2	*
Sepsis	19	21.1	21.1	*	21.1	27.5	*	21.1	33.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	7.3	*	0.0	14.1	*	12.5	18.8	*
Carotid Endarterectomy	4	0.0	2.6	*	0.0	5.4	*	0.0	8.0	*
Hip Replacement/Reconstruction	20	0.0	4.1	*	0.0	8.0	*	0.0	10.7	*
Open Reduction of Hip Fracture	27	3.7	6.9	*	11.1	12.8	*	14.8	16.6	*
Prostatectomy	34	0.0	1.3	*	0.0	3.2	*	0.0	5.3	*
Cholecystectomy	37	5.4	3.0	*	13.5	5.5	*	13.5	7.4	*
Hysterectomy	12	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,551	7.3	8.7	1.0	11.9	13.4	1.4	15.1	17.2	1.5
CONDITIONS:										
Acute Myocardial Infarction	46	21.7	30.1	*	23.9	33.1	*	26.1	36.2	*
Congestive Heart Failure	113	15.0	16.8	5.0	24.8	25.5	5.1	31.0	32.6	5.1
Pneumonia/Influenza	55	10.9	16.2	5.9	12.7	21.9	7.4	14.5	26.7	8.9
Chronic Obstructive Pulmonary Disease	30	3.3	9.0	*	13.3	15.4	*	23.3	20.7	*
Transient Cerebral Ischemia	41	0.0	1.9	*	0.0	4.1	*	2.4	6.6	*
Stroke	49	8.2	17.9	*	18.4	24.5	*	20.4	29.0	*
Hip Fracture	23	0.0	7.3	*	4.3	12.8	*	4.3	16.5	*
Sepsis	23	13.0	21.2	*	17.4	29.6	*	21.7	35.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	5.1	*	7.1	9.3	*	14.3	12.4	*
Carotid Endarterectomy	3	0.0	2.0	*	0.0	3.5	*	0.0	5.0	*
Hip Replacement/Reconstruction	8	0.0	0.8	*	0.0	1.3	*	0.0	1.7	*
Open Reduction of Hip Fracture	21	0.0	6.2	*	4.8	11.5	*	4.8	15.1	*
Prostatectomy	51	0.0	1.1	1.7	0.0	2.7	3.2	3.9	4.5	3.0
Cholecystectomy	36	5.6	3.4	*	5.6	5.9	*	5.6	7.7	*
Hysterectomy	13	7.7	1.7	*	7.7	3.4	*	7.7	4.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

STEPHENS MEMORIAL HOSPITAL

80 Main St
Norway, ME 04268

Medicare Provider Number: 200032

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	701	6.7	8.7	2.3	12.1	13.5	2.5	15.4	17.5	2.6
CONDITIONS:										
Acute Myocardial Infarction	20	15.0	25.3	*	15.0	29.1	*	15.0	32.5	*
Congestive Heart Failure	41	7.3	13.8	*	12.2	21.6	*	22.0	28.4	*
Pneumonia/Influenza	35	5.7	15.3	*	11.4	20.8	*	17.1	25.3	*
Chronic Obstructive Pulmonary Disease	10	0.0	7.6	*	0.0	14.3	*	0.0	19.9	*
Transient Cerebral Ischemia	6	0.0	1.5	*	0.0	3.3	*	0.0	5.3	*
Stroke	19	15.8	19.2	*	26.3	25.4	*	31.6	29.9	*
Hip Fracture	38	2.6	7.1	*	10.5	13.2	*	15.8	17.5	*
Sepsis	5	0.0	13.2	*	0.0	18.3	*	0.0	22.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.0	*	0.0	4.4	*	0.0	7.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	21	0.0	4.4	*	9.5	8.5	*	19.0	11.6	*
Open Reduction of Hip Fracture	20	0.0	5.9	*	5.0	11.2	*	5.0	14.9	*
Prostatectomy	21	9.5	2.4	*	9.5	4.9	*	9.5	7.8	*
Cholecystectomy	12	8.3	4.6	*	16.7	8.4	*	16.7	11.4	*
Hysterectomy	7	0.0	0.7	*	0.0	1.7	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	50
Occupancy Rate	80
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	32
Percent of Physicians Board Certified Specialists	66
Medical Residents/Interns	0
Registered Nurses	67
Licensed Practical Nurses	21

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

STEPHENS MEMORIAL HOSPITAL

Medicare Provider Number: 200032

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	809	9.1	8.6	1.2	12.5	13.1	1.3	15.6	16.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	19	26.3	34.9	*	36.8	39.1	*	47.4	43.1	*
Congestive Heart Failure	38	5.3	18.2	*	13.2	27.0	*	18.4	34.0	*
Pneumonia/Influenza	37	5.4	15.4	*	8.1	21.3	*	16.2	26.0	*
Chronic Obstructive Pulmonary Disease	10	10.0	7.5	*	20.0	14.0	*	20.0	18.0	*
Transient Cerebral Ischemia	11	0.0	1.8	*	0.0	3.9	*	9.1	6.1	*
Stroke	27	33.3	22.4	*	37.0	28.8	*	37.0	33.4	*
Hip Fracture	39	15.4	6.8	*	15.4	12.2	*	17.9	15.6	*
Sepsis	10	0.0	17.4	*	10.0	23.3	*	20.0	28.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	4.8	*	0.0	9.6	*	0.0	14.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	29	13.8	3.6	*	13.8	6.9	*	13.8	9.2	*
Open Reduction of Hip Fracture	18	5.6	6.5	*	5.6	11.9	*	11.1	15.2	*
Prostatectomy	35	0.0	0.9	*	0.0	2.2	*	0.0	3.8	*
Cholecystectomy	22	4.5	3.4	*	4.5	5.7	*	4.5	7.2	*
Hysterectomy	9	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	786	6.9	8.6	1.6	12.1	13.4	1.8	16.4	17.3	1.6
CONDITIONS:										
Acute Myocardial Infarction	27	14.8	27.2	*	18.5	30.5	*	18.5	33.8	*
Congestive Heart Failure	40	2.5	15.8	*	17.5	23.9	*	22.5	30.6	*
Pneumonia/Influenza	52	7.7	14.5	5.9	9.6	20.0	7.7	11.5	24.5	9.2
Chronic Obstructive Pulmonary Disease	7	42.9	13.3	*	57.1	21.3	*	71.4	27.4	*
Transient Cerebral Ischemia	6	0.0	3.1	*	0.0	6.8	*	0.0	10.8	*
Stroke	29	17.2	24.4	*	37.9	31.0	*	41.4	35.4	*
Hip Fracture	29	17.2	6.8	*	24.1	13.1	*	31.0	17.4	*
Sepsis	3	33.3	21.0	*	33.3	32.7	*	66.7	40.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	4.4	*	0.0	8.1	*	0.0	11.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	22	13.6	5.2	*	18.2	10.9	*	18.2	15.2	*
Open Reduction of Hip Fracture	14	7.1	5.6	*	14.3	10.8	*	28.6	14.4	*
Prostatectomy	27	0.0	1.3	*	0.0	3.1	*	7.4	5.1	*
Cholecystectomy	26	0.0	2.6	*	0.0	4.5	*	3.8	5.6	*
Hysterectomy	9	11.1	2.1	*	11.1	4.1	*	11.1	5.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

TAYLOR HOSPITAL

268 Stillwater Ave
Bangor, ME 04401

Medicare Provider Number: 200047

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	133	3.0	7.6	2.9	4.5	12.3	4.0	7.5	16.4	4.6
CONDITIONS:										
Acute Myocardial Infarction	3	33.3	20.3	*	33.3	22.3	*	33.3	25.1	*
Congestive Heart Failure	6	16.7	14.8	*	16.7	23.9	*	16.7	31.4	*
Pneumonia/Influenza	6	0.0	11.3	*	0.0	15.3	*	0.0	18.9	*
Chronic Obstructive Pulmonary Disease	2	0.0	8.5	*	0.0	14.6	*	0.0	19.9	*
Transient Cerebral Ischemia	2	0.0	1.1	*	0.0	2.5	*	0.0	3.9	*
Stroke	1	0.0	11.3	*	0.0	15.0	*	0.0	18.3	*
Hip Fracture	1	0.0	1.9	*	0.0	3.0	*	0.0	4.0	*
Sepsis	2	0.0	34.5	*	0.0	41.3	*	0.0	48.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	3	0.0	1.8	*	0.0	2.9	*	0.0	3.6	*
Hysterectomy	1	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds	55
Ownership/Control	Private, Non-Profit

STAFFING:

Medical Residents/Interns	0
Registered Nurses	16
Licensed Practical Nurses	14

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	No
Hospice	No
Intensive Care Unit	Yes
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

TAYLOR HOSPITAL

Medicare Provider Number: 200047

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	146	6.2	11.2	3.6	9.6	16.2	4.3	15.1	20.3	4.3
CONDITIONS:										
Acute Myocardial Infarction	5	40.0	31.8	*	40.0	35.2	*	40.0	38.7	*
Congestive Heart Failure	6	0.0	17.4	*	0.0	25.3	*	0.0	31.9	*
Pneumonia/Influenza	19	0.0	11.3	*	5.3	15.9	*	15.8	19.4	*
Chronic Obstructive Pulmonary Disease	6	0.0	7.6	*	0.0	12.4	*	0.0	17.0	*
Transient Cerebral Ischemia	7	0.0	2.0	*	14.3	4.3	*	14.3	6.7	*
Stroke	5	20.0	24.3	*	20.0	30.3	*	20.0	35.0	*
Hip Fracture	0									
Sepsis	2	0.0	15.5	*	0.0	19.4	*	0.0	23.9	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	1	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	190	11.1	11.3	2.4	14.2	16.9	3.3	14.2	21.1	3.7
CONDITIONS:										
Acute Myocardial Infarction	10	10.0	22.5	*	20.0	25.5	*	20.0	28.7	*
Congestive Heart Failure	14	21.4	17.0	*	28.6	24.6	*	28.6	31.7	*
Pneumonia/Influenza	11	9.1	15.8	*	9.1	22.6	*	9.1	27.7	*
Chronic Obstructive Pulmonary Disease	5	20.0	10.3	*	20.0	18.7	*	20.0	25.0	*
Transient Cerebral Ischemia	2	0.0	1.0	*	0.0	2.2	*	0.0	3.4	*
Stroke	6	0.0	15.0	*	0.0	21.2	*	0.0	25.3	*
Hip Fracture	0									
Sepsis	3	0.0	19.0	*	0.0	26.8	*	0.0	32.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.9	*	0.0	3.7	*	0.0	5.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	3	0.0	0.7	*	0.0	1.8	*	0.0	3.0	*
Cholecystectomy	2	0.0	4.7	*	0.0	8.4	*	0.0	10.1	*
Hysterectomy	2	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

THE AROOSTOOK MEDICAL CENTER

Academy St
Presque Isle, ME 04769

Medicare Provider Number: 200018

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	687	11.8	10.0	1.4	17.6	14.8	1.9	21.4	18.6	2.4
CONDITIONS:										
Acute Myocardial Infarction	38	36.8	26.8	*	39.5	29.9	*	44.7	33.4	*
Congestive Heart Failure	27	29.6	15.1	*	40.7	22.4	*	44.4	29.0	*
Pneumonia/Influenza	28	25.0	20.8	*	32.1	27.8	*	32.1	32.8	*
Chronic Obstructive Pulmonary Disease	15	0.0	7.4	*	0.0	13.1	*	0.0	18.1	*
Transient Cerebral Ischemia	10	0.0	2.4	*	20.0	5.4	*	20.0	8.6	*
Stroke	24	20.8	19.8	*	29.2	26.6	*	33.3	31.1	*
Hip Fracture	19	0.0	6.5	*	0.0	11.5	*	5.3	14.8	*
Sepsis	11	27.3	25.3	*	27.3	34.5	*	27.3	41.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	33.3	3.4	*	33.3	8.0	*	33.3	12.9	*
Carotid Endarterectomy	1	0.0	3.2	*	0.0	6.2	*	0.0	9.1	*
Hip Replacement/Reconstruction	22	0.0	1.9	*	0.0	3.8	*	4.5	5.2	*
Open Reduction of Hip Fracture	10	0.0	7.6	*	0.0	13.6	*	0.0	17.5	*
Prostatectomy	13	0.0	0.6	*	7.7	1.5	*	7.7	2.7	*
Cholecystectomy	14	0.0	2.3	*	0.0	3.9	*	0.0	4.8	*
Hysterectomy	8	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	212
Occupancy Rate	73
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	38
Percent of Physicians Board Certified Specialists	84
Medical Residents/Interns	0
Registered Nurses	129
Licensed Practical Nurses	65

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

THE AROOSTOOK MEDICAL CENTER

Medicare Provider Number: 200018

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	755	9.8	8.7	1.9	14.8	13.2	2.0	18.7	16.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	45	26.7	27.9	*	28.9	31.5	*	31.1	35.1	*
Congestive Heart Failure	27	18.5	15.8	*	22.2	23.6	*	25.9	30.4	*
Pneumonia/Influenza	32	21.9	17.4	*	21.9	23.6	*	21.9	28.4	*
Chronic Obstructive Pulmonary Disease	9	0.0	5.3	*	0.0	11.1	*	33.3	16.6	*
Transient Cerebral Ischemia	6	0.0	2.7	*	0.0	6.8	*	0.0	11.0	*
Stroke	22	22.7	19.2	*	31.8	27.2	*	36.4	32.3	*
Hip Fracture	23	4.3	6.6	*	8.7	11.8	*	13.0	15.2	*
Sepsis	3	33.3	32.6	*	66.7	41.3	*	66.7	48.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	18.2	8.3	*	27.3	12.0	*	27.3	15.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	21	4.8	2.6	*	9.5	5.1	*	14.3	6.9	*
Open Reduction of Hip Fracture	15	0.0	5.4	*	0.0	10.0	*	6.7	12.9	*
Prostatectomy	10	0.0	0.4	*	0.0	1.0	*	0.0	1.7	*
Cholecystectomy	14	0.0	2.8	*	0.0	5.4	*	7.1	7.3	*
Hysterectomy	5	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	752	9.2	8.0	1.4	14.2	12.5	1.9	18.4	16.1	2.2
CONDITIONS:										
Acute Myocardial Infarction	37	29.7	25.4	*	29.7	28.7	*	35.1	32.4	*
Congestive Heart Failure	22	40.9	16.6	*	50.0	25.0	*	54.5	31.9	*
Pneumonia/Influenza	26	7.7	17.4	*	19.2	23.9	*	30.8	29.0	*
Chronic Obstructive Pulmonary Disease	9	0.0	5.6	*	33.3	9.1	*	33.3	12.1	*
Transient Cerebral Ischemia	7	0.0	1.7	*	0.0	3.7	*	0.0	6.0	*
Stroke	29	3.4	19.7	*	13.8	26.6	*	20.7	31.3	*
Hip Fracture	12	8.3	5.2	*	25.0	10.0	*	33.3	13.3	*
Sepsis	4	0.0	21.0	*	0.0	30.8	*	50.0	37.8	*
PROCEDURES:										
Angioplasty	1	0.0	2.5	*	0.0	3.7	*	0.0	4.6	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	3.2	*	20.0	6.4	*	20.0	9.3	*
Carotid Endarterectomy	3	33.3	1.4	*	33.3	2.8	*	33.3	4.0	*
Hip Replacement/Reconstruction	14	7.1	3.5	*	21.4	7.1	*	21.4	9.7	*
Open Reduction of Hip Fracture	9	11.1	4.6	*	11.1	9.0	*	22.2	12.2	*
Prostatectomy	14	0.0	0.5	*	0.0	1.1	*	0.0	1.9	*
Cholecystectomy	17	0.0	2.3	*	5.9	4.0	*	5.9	5.2	*
Hysterectomy	5	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

VAN BUREN COMMUNITY HOSPITAL

2 Main St
Van Buren, ME 04785

Medicare Provider Number: 200005

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	41	14.6	12.1	*	17.1	18.8	*	26.8	23.8	*
CONDITIONS:										
Acute Myocardial Infarction	1	100.0	22.1	*	100.0	23.9	*	100.0	26.5	*
Congestive Heart Failure	3	33.3	31.8	*	33.3	49.1	*	33.3	58.8	*
Pneumonia/Influenza	6	16.7	21.7	*	33.3	29.6	*	33.3	35.2	*
Chronic Obstructive Pulmonary Disease	5	20.0	10.7	*	20.0	17.3	*	20.0	23.0	*
Transient Cerebral Ischemia	0									
Stroke	1	0.0	15.2	*	0.0	19.6	*	0.0	23.5	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds	9
Ownership/Control	Private, Non-Profit

STAFFING:

Medical Residents/Interns	0
Registered Nurses	7
Licensed Practical Nurses	7

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	No
Hospice	No
Intensive Care Unit	No
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

VAN BUREN COMMUNITY HOSPITAL

Medicare Provider Number: 200005

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	48	4.2	11.0	*	6.3	14.5	*	10.4	17.7	*
CONDITIONS:										
Acute Myocardial Infarction	3	0.0	24.2	*	0.0	26.0	*	0.0	28.7	*
Congestive Heart Failure	3	0.0	10.0	*	0.0	15.1	*	0.0	20.1	*
Pneumonia/Influenza	3	0.0	13.1	*	0.0	18.3	*	0.0	22.4	*
Chronic Obstructive Pulmonary Disease	1	0.0	7.1	*	0.0	11.9	*	0.0	16.3	*
Transient Cerebral Ischemia	2	0.0	1.2	*	0.0	2.5	*	0.0	3.8	*
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	40	10.0	10.7	*	15.0	16.2	*	22.5	20.1	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	4	0.0	19.2	*	0.0	27.9	*	25.0	35.4	*
Pneumonia/Influenza	1	0.0	10.6	*	0.0	14.2	*	0.0	17.3	*
Chronic Obstructive Pulmonary Disease	1	0.0	4.7	*	0.0	8.9	*	0.0	12.7	*
Transient Cerebral Ischemia	0									
Stroke	3	66.7	39.4	*	100.0	49.8	*	100.0	55.9	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WALDO COUNTY GENERAL HOSPITAL

Northport Ave
Belfast, ME 04915

Medicare Provider Number: 200013

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	492	8.5	8.2	1.3	12.4	12.3	1.7	15.4	15.7	2.0
CONDITIONS:										
Acute Myocardial Infarction	19	47.4	26.2	*	52.6	29.8	*	52.6	33.4	*
Congestive Heart Failure	27	0.0	12.1	*	11.1	18.7	*	25.9	24.5	*
Pneumonia/Influenza	37	5.4	12.8	*	8.1	17.8	*	10.8	21.9	*
Chronic Obstructive Pulmonary Disease	13	23.1	11.9	*	30.8	20.8	*	46.2	27.9	*
Transient Cerebral Ischemia	1	0.0	1.4	*	0.0	3.1	*	0.0	4.8	*
Stroke	21	38.1	21.2	*	42.9	27.2	*	42.9	31.6	*
Hip Fracture	13	0.0	6.5	*	0.0	11.5	*	0.0	14.9	*
Sepsis	5	40.0	27.0	*	40.0	35.3	*	40.0	43.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.2	*	0.0	4.8	*	0.0	7.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	2.8	*	0.0	5.2	*	0.0	7.2	*
Open Reduction of Hip Fracture	2	0.0	5.6	*	0.0	11.2	*	0.0	15.2	*
Prostatectomy	17	5.9	0.6	*	5.9	1.4	*	5.9	2.3	*
Cholecystectomy	12	0.0	1.7	*	0.0	3.2	*	0.0	4.2	*
Hysterectomy	2	0.0	0.3	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	49
Occupancy Rate	61
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	25
Percent of Physicians Board Certified Specialists	92
Medical Residents/Interns	0
Registered Nurses	55
Licensed Practical Nurses	25

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WALDO COUNTY GENERAL HOSPITAL

Medicare Provider Number: 200013

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	514	8.6	8.7	1.7	12.8	13.3	1.8	15.8	17.1	2.0
CONDITIONS:										
Acute Myocardial Infarction	17	29.4	26.8	*	29.4	30.8	*	29.4	34.6	*
Congestive Heart Failure	24	29.2	13.7	*	41.7	21.1	*	50.0	27.5	*
Pneumonia/Influenza	38	7.9	15.2	*	18.4	21.5	*	26.3	26.0	*
Chronic Obstructive Pulmonary Disease	9	0.0	11.7	*	11.1	20.4	*	22.2	27.4	*
Transient Cerebral Ischemia	5	0.0	4.1	*	0.0	8.9	*	0.0	13.7	*
Stroke	25	16.0	23.3	*	16.0	30.3	*	20.0	35.4	*
Hip Fracture	16	0.0	6.8	*	0.0	12.7	*	6.3	16.6	*
Sepsis	1	100.0	40.6	*	100.0	47.1	*	100.0	55.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	1.1	*	0.0	2.4	*	0.0	3.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	0.0	4.4	*	0.0	9.7	*	13.3	14.2	*
Open Reduction of Hip Fracture	6	0.0	6.0	*	0.0	11.3	*	0.0	14.8	*
Prostatectomy	10	0.0	1.3	*	0.0	3.5	*	0.0	6.1	*
Cholecystectomy	9	0.0	1.6	*	0.0	3.0	*	0.0	3.9	*
Hysterectomy	3	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	462	9.5	9.7	1.4	14.7	14.5	1.7	17.7	18.3	1.9
CONDITIONS:										
Acute Myocardial Infarction	28	17.9	28.0	*	21.4	31.2	*	25.0	34.7	*
Congestive Heart Failure	24	12.5	13.5	*	29.2	20.3	*	33.3	26.4	*
Pneumonia/Influenza	27	22.2	14.1	*	22.2	19.0	*	29.6	23.0	*
Chronic Obstructive Pulmonary Disease	15	0.0	10.3	*	13.3	17.5	*	20.0	23.1	*
Transient Cerebral Ischemia	3	0.0	1.5	*	0.0	3.0	*	0.0	4.6	*
Stroke	17	23.5	17.7	*	29.4	23.1	*	35.3	27.7	*
Hip Fracture	15	0.0	4.4	*	0.0	8.2	*	0.0	10.8	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.1	*	0.0	2.4	*	0.0	3.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	2.4	*	0.0	4.5	*	0.0	5.9	*
Open Reduction of Hip Fracture	7	0.0	4.2	*	0.0	8.3	*	0.0	11.4	*
Prostatectomy	8	0.0	0.9	*	12.5	2.2	*	25.0	3.9	*
Cholecystectomy	10	0.0	2.3	*	0.0	3.9	*	0.0	4.7	*
Hysterectomy	2	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WATERVILLE OSTEOPATHIC HOSPITAL

Kennedy Memorial Dr
Waterville, ME 04901

Medicare Provider Number: 200041

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	438	6.6	7.6	1.8	9.8	11.5	2.3	13.0	14.8	2.8
CONDITIONS:										
Acute Myocardial Infarction	16	18.8	28.1	*	25.0	30.8	*	25.0	34.1	*
Congestive Heart Failure	20	10.0	13.2	*	10.0	19.8	*	15.0	25.6	*
Pneumonia/Influenza	22	0.0	12.9	*	9.1	18.0	*	18.2	21.8	*
Chronic Obstructive Pulmonary Disease	22	4.5	5.9	*	4.5	10.9	*	13.6	15.2	*
Transient Cerebral Ischemia	9	0.0	2.4	*	0.0	5.8	*	11.1	9.7	*
Stroke	3	0.0	14.8	*	0.0	19.5	*	0.0	23.2	*
Hip Fracture	9	0.0	7.1	*	0.0	12.9	*	0.0	16.9	*
Sepsis	2	50.0	42.4	*	50.0	55.2	*	50.0	64.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	3.1	*	0.0	6.3	*	0.0	9.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	2.1	*	0.0	4.0	*	0.0	5.4	*
Open Reduction of Hip Fracture	5	0.0	6.7	*	0.0	13.2	*	0.0	17.8	*
Prostatectomy	1	0.0	1.5	*	0.0	2.9	*	0.0	4.8	*
Cholecystectomy	7	14.3	2.0	*	14.3	3.8	*	14.3	4.8	*
Hysterectomy	3	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds	78
Ownership/Control	Private, Non-Profit

STAFFING:

Medical Residents/Interns	6
Registered Nurses	39
Licensed Practical Nurses	19

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	No
Hospice	No
Intensive Care Unit	Yes
Organ Transplant	No
Rehabilitation	Yes
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

WATERVILLE OSTEOPATHIC HOSPITAL

Medicare Provider Number: 200041

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	442	7.0	7.1	1.3	11.1	11.1	1.5	16.1	14.5	1.8
CONDITIONS:										
Acute Myocardial Infarction	14	21.4	29.3	*	28.6	32.4	*	35.7	35.8	*
Congestive Heart Failure	7	28.6	14.4	*	28.6	21.4	*	42.9	27.7	*
Pneumonia/Influenza	26	19.2	14.6	*	23.1	19.9	*	26.9	24.3	*
Chronic Obstructive Pulmonary Disease	12	8.3	9.4	*	16.7	15.9	*	25.0	21.9	*
Transient Cerebral Ischemia	5	20.0	3.2	*	20.0	7.0	*	40.0	11.1	*
Stroke	12	16.7	21.4	*	16.7	27.8	*	33.3	32.1	*
Hip Fracture	16	12.5	10.6	*	25.0	19.2	*	31.3	24.5	*
Sepsis	3	33.3	15.2	*	33.3	20.0	*	33.3	24.3	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	3.2	*	0.0	7.3	*	0.0	11.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	9.1	6.2	*	18.2	11.6	*	27.3	15.0	*
Open Reduction of Hip Fracture	3	0.0	11.6	*	33.3	22.9	*	33.3	31.4	*
Prostatectomy	5	0.0	0.7	*	0.0	1.7	*	0.0	2.9	*
Cholecystectomy	6	33.3	4.5	*	33.3	8.3	*	33.3	10.9	*
Hysterectomy	4	0.0	1.0	*	0.0	2.4	*	0.0	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	409	6.6	8.1	1.7	10.8	12.2	1.9	13.4	15.5	2.3
CONDITIONS:										
Acute Myocardial Infarction	15	13.3	31.0	*	13.3	33.8	*	13.3	36.6	*
Congestive Heart Failure	18	0.0	14.0	*	5.6	20.8	*	11.1	26.8	*
Pneumonia/Influenza	14	14.3	13.7	*	21.4	18.2	*	28.6	22.4	*
Chronic Obstructive Pulmonary Disease	10	10.0	8.2	*	30.0	15.1	*	30.0	20.4	*
Transient Cerebral Ischemia	3	0.0	3.6	*	0.0	7.8	*	0.0	12.7	*
Stroke	5	40.0	27.1	*	40.0	36.2	*	60.0	41.8	*
Hip Fracture	11	9.1	8.0	*	9.1	13.7	*	9.1	17.2	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	1.7	*	0.0	4.3	*	25.0	7.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	2.4	*	0.0	4.6	*	0.0	6.3	*
Open Reduction of Hip Fracture	5	20.0	9.0	*	20.0	16.1	*	20.0	20.5	*
Prostatectomy	5	0.0	2.9	*	0.0	4.3	*	0.0	6.1	*
Cholecystectomy	2	0.0	0.7	*	50.0	1.2	*	50.0	1.6	*
Hysterectomy	2	50.0	0.7	*	50.0	1.6	*	50.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WEBBER HOSPITAL ASSOCIATION

1 Mountain Rd
Biddeford, ME 04005

Medicare Provider Number: 200019

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,449	10.5	10.3	0.8	15.2	15.0	0.9	18.3	18.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	86	24.4	33.2	10.3	30.2	36.6	11.0	31.4	40.1	12.0
Congestive Heart Failure	63	22.2	16.3	7.1	27.0	24.5	8.0	36.5	31.3	9.0
Pneumonia/Influenza	48	8.3	15.1	*	18.7	20.7	*	18.7	25.1	*
Chronic Obstructive Pulmonary Disease	16	6.3	9.0	*	18.8	15.5	*	25.0	21.3	*
Transient Cerebral Ischemia	15	6.7	2.2	*	6.7	5.0	*	6.7	7.8	*
Stroke	74	18.9	21.3	5.1	24.3	27.8	7.1	27.0	32.2	8.8
Hip Fracture	46	4.3	6.0	*	8.7	10.8	*	17.4	14.0	*
Sepsis	8	0.0	29.0	*	0.0	36.7	*	0.0	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	3.8	*	0.0	7.0	*	0.0	9.7	*
Carotid Endarterectomy	5	0.0	1.6	*	0.0	3.2	*	0.0	4.8	*
Hip Replacement/Reconstruction	22	0.0	3.1	*	0.0	5.9	*	4.5	8.0	*
Open Reduction of Hip Fracture	29	6.9	5.8	*	13.8	10.7	*	20.7	14.1	*
Prostatectomy	44	0.0	0.7	*	0.0	1.9	*	2.3	3.2	*
Cholecystectomy	28	3.6	2.1	*	3.6	3.8	*	7.1	5.0	*
Hysterectomy	11	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	150
Occupancy Rate	75
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	74
Percent of Physicians Board Certified Specialists	65
Medical Residents/Interns	0
Registered Nurses	176
Licensed Practical Nurses	38

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WEBBER HOSPITAL ASSOCIATION

Medicare Provider Number: 200019

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,520	11.1	9.7	1.2	16.1	14.5	1.5	19.3	18.3	1.6
CONDITIONS:										
Acute Myocardial Infarction	79	24.1	30.8	6.6	30.4	33.8	5.9	31.6	37.2	6.5
Congestive Heart Failure	69	11.6	16.1	6.7	15.9	23.5	9.2	18.8	30.0	11.3
Pneumonia/Influenza	64	21.9	15.8	7.4	28.1	21.4	7.4	29.7	25.8	6.2
Chronic Obstructive Pulmonary Disease	16	12.5	8.0	*	18.8	14.8	*	18.8	20.6	*
Transient Cerebral Ischemia	23	4.3	2.0	*	13.0	4.5	*	21.7	7.1	*
Stroke	67	22.4	20.7	5.4	23.9	26.6	6.1	28.4	31.1	6.2
Hip Fracture	40	10.0	7.4	*	17.5	14.1	*	22.5	18.7	*
Sepsis	8	37.5	19.1	*	50.0	25.6	*	50.0	30.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	10.1	*	0.0	14.5	*	0.0	18.6	*
Carotid Endarterectomy	6	0.0	1.2	*	0.0	2.3	*	0.0	3.5	*
Hip Replacement/Reconstruction	20	0.0	3.3	*	5.0	6.6	*	5.0	9.2	*
Open Reduction of Hip Fracture	26	11.5	6.8	*	19.2	13.5	*	26.9	18.2	*
Prostatectomy	44	2.3	1.3	*	6.8	3.1	*	9.1	5.2	*
Cholecystectomy	30	6.7	2.8	*	6.7	4.9	*	6.7	6.4	*
Hysterectomy	17	5.9	1.0	*	5.9	2.3	*	11.8	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,404	11.0	10.2	1.0	15.2	15.0	1.0	18.2	18.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	85	27.1	30.2	9.2	29.4	33.8	9.8	31.8	37.2	9.5
Congestive Heart Failure	70	21.4	16.1	8.0	28.6	23.5	7.0	32.9	30.0	5.9
Pneumonia/Influenza	41	24.4	16.7	*	34.1	22.4	*	39.0	27.1	*
Chronic Obstructive Pulmonary Disease	9	11.1	6.3	*	22.2	13.2	*	22.2	19.4	*
Transient Cerebral Ischemia	29	3.4	2.1	*	3.4	4.5	*	6.9	7.2	*
Stroke	55	32.7	24.8	7.9	36.4	31.3	7.1	38.2	36.0	6.6
Hip Fracture	39	7.7	7.6	*	12.8	13.4	*	15.4	16.8	*
Sepsis	13	23.1	27.5	*	23.1	34.3	*	23.1	39.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.8	*	0.0	6.1	*	0.0	9.3	*
Carotid Endarterectomy	9	0.0	1.8	*	0.0	3.4	*	0.0	5.0	*
Hip Replacement/Reconstruction	28	3.6	5.1	*	3.6	7.9	*	7.1	9.5	*
Open Reduction of Hip Fracture	21	4.8	7.8	*	14.3	14.3	*	19.0	18.3	*
Prostatectomy	20	0.0	1.7	*	0.0	4.3	*	0.0	7.2	*
Cholecystectomy	30	10.0	3.9	*	10.0	6.4	*	10.0	7.9	*
Hysterectomy	8	0.0	0.9	*	0.0	1.7	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WESTBROOK COMMUNITY HOSPITAL

40 Park Rd
Westbrook, ME 04092

Medicare Provider Number: 200043

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	57	3.5	4.7	3.7	8.8	7.7	4.6	8.8	9.8	4.2
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	3	33.3	17.3	*	33.3	26.9	*	33.3	35.0	*
Pneumonia/Influenza	3	0.0	10.8	*	33.3	14.8	*	33.3	18.5	*
Chronic Obstructive Pulmonary Disease	1	0.0	3.9	*	0.0	8.5	*	0.0	13.2	*
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	30
Occupancy Rate	63
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	33
Percent of Physicians Board Certified Specialists	91
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WESTBROOK COMMUNITY HOSPITAL

Medicare Provider Number: 200043

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	78	10.3	9.6	3.5	14.1	15.4	4.2	17.9	19.3	4.6
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	29.6	*	0.0	32.0	*	100.0	34.7	*
Congestive Heart Failure	4	50.0	23.2	*	50.0	35.9	*	50.0	44.5	*
Pneumonia/Influenza	5	20.0	16.7	*	20.0	22.8	*	40.0	27.5	*
Chronic Obstructive Pulmonary Disease	1	0.0	6.8	*	0.0	11.7	*	0.0	15.8	*
Transient Cerebral Ischemia	3	0.0	3.3	*	0.0	8.2	*	0.0	13.4	*
Stroke	3	0.0	13.6	*	33.3	19.4	*	33.3	23.4	*
Hip Fracture	0									
Sepsis	1	0.0	8.1	*	0.0	12.6	*	0.0	17.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	117	7.7	4.9	3.8	9.4	8.4	5.0	12.0	11.0	5.0
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	5	40.0	11.3	*	40.0	17.3	*	40.0	22.9	*
Pneumonia/Influenza	6	0.0	12.9	*	16.7	18.3	*	16.7	22.2	*
Chronic Obstructive Pulmonary Disease	1	0.0	4.8	*	0.0	8.5	*	0.0	11.7	*
Transient Cerebral Ischemia	3	0.0	1.5	*	0.0	3.5	*	33.3	5.7	*
Stroke	2	0.0	19.8	*	50.0	26.5	*	50.0	31.5	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	3	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

YORK HOSPITAL

15 Hospital Dr
York, ME 03909

Medicare Provider Number: 200020

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	819	9.6	8.9	1.2	13.1	13.1	1.4	16.5	16.5	1.5
CONDITIONS:										
Acute Myocardial Infarction	34	11.8	26.6	*	14.7	30.1	*	17.6	33.4	*
Congestive Heart Failure	36	16.7	12.7	*	16.7	20.1	*	19.4	26.6	*
Pneumonia/Influenza	43	9.3	14.4	*	11.6	19.7	*	20.9	23.8	*
Chronic Obstructive Pulmonary Disease	17	5.9	8.4	*	5.9	14.3	*	5.9	19.4	*
Transient Cerebral Ischemia	17	0.0	1.5	*	0.0	3.3	*	0.0	5.2	*
Stroke	38	26.3	17.9	*	34.2	25.6	*	34.2	30.2	*
Hip Fracture	18	5.6	6.1	*	5.6	11.0	*	11.1	14.5	*
Sepsis	10	40.0	33.5	*	40.0	40.8	*	40.0	47.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	1	0.0	1.0	*	0.0	2.1	*	0.0	3.3	*
Hip Replacement/Reconstruction	4	0.0	3.4	*	0.0	6.3	*	0.0	8.4	*
Open Reduction of Hip Fracture	13	0.0	5.4	*	0.0	10.0	*	7.7	13.2	*
Prostatectomy	24	0.0	0.6	*	4.2	1.5	*	4.2	2.7	*
Cholecystectomy	11	0.0	2.5	*	0.0	4.2	*	9.1	5.5	*
Hysterectomy	3	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	79
Occupancy Rate	68
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	41
Percent of Physicians Board Certified Specialists	80
Medical Residents/Interns	0
Registered Nurses	93
Licensed Practical Nurses	5

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

YORK HOSPITAL

Medicare Provider Number: 200020

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	782	8.4	9.3	1.2	13.2	13.8	1.5	16.8	17.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	22	13.6	27.1	*	13.6	30.1	*	22.7	33.4	*
Congestive Heart Failure	41	19.5	13.5	*	34.1	21.3	*	41.5	27.9	*
Pneumonia/Influenza	37	10.8	13.2	*	16.2	18.5	*	18.9	22.4	*
Chronic Obstructive Pulmonary Disease	8	0.0	5.0	*	0.0	9.0	*	0.0	12.7	*
Transient Cerebral Ischemia	7	0.0	1.9	*	0.0	4.2	*	0.0	6.9	*
Stroke	34	17.6	22.5	*	20.6	30.0	*	26.5	34.8	*
Hip Fracture	21	0.0	9.0	*	19.0	16.6	*	19.0	21.3	*
Sepsis	9	33.3	39.2	*	55.6	47.1	*	66.7	53.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.8	*	0.0	5.6	*	20.0	8.2	*
Carotid Endarterectomy	1	0.0	1.3	*	0.0	2.7	*	0.0	4.2	*
Hip Replacement/Reconstruction	11	0.0	4.8	*	9.1	9.1	*	9.1	11.8	*
Open Reduction of Hip Fracture	10	0.0	9.0	*	10.0	17.4	*	10.0	22.8	*
Prostatectomy	27	0.0	0.7	*	3.7	1.8	*	7.4	2.9	*
Cholecystectomy	20	0.0	3.7	*	0.0	7.4	*	0.0	10.0	*
Hysterectomy	3	0.0	0.6	*	0.0	1.2	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	745	9.5	8.4	1.3	15.2	12.7	1.7	18.8	16.3	2.1
CONDITIONS:										
Acute Myocardial Infarction	27	37.0	28.3	*	40.7	32.5	*	48.1	36.2	*
Congestive Heart Failure	44	18.2	18.2	*	34.1	27.4	*	40.9	34.9	*
Pneumonia/Influenza	37	10.8	13.4	*	13.5	18.6	*	16.2	22.7	*
Chronic Obstructive Pulmonary Disease	19	10.5	7.4	*	15.8	12.3	*	26.3	16.1	*
Transient Cerebral Ischemia	6	0.0	1.6	*	0.0	3.5	*	0.0	5.6	*
Stroke	30	30.0	23.7	*	30.0	30.7	*	40.0	35.4	*
Hip Fracture	23	17.4	7.7	*	26.1	14.3	*	26.1	18.8	*
Sepsis	4	25.0	31.8	*	25.0	41.4	*	25.0	48.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	2.1	*	12.5	4.6	*	12.5	7.1	*
Carotid Endarterectomy	2	0.0	1.0	*	0.0	1.8	*	0.0	2.6	*
Hip Replacement/Reconstruction	7	0.0	3.7	*	0.0	7.5	*	0.0	10.1	*
Open Reduction of Hip Fracture	14	28.6	6.8	*	35.7	13.7	*	35.7	18.5	*
Prostatectomy	19	0.0	0.4	*	0.0	1.0	*	0.0	1.8	*
Cholecystectomy	10	0.0	3.8	*	0.0	6.2	*	0.0	7.5	*
Hysterectomy	3	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Massachusetts

ADCARE HOSPITAL OF WORCESTER INC

107 Lincoln St
Worcester, MA 01605

Medicare Provider Number: 220062

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	57	0.0	0.5	*	0.0	1.3	*	0.0	2.2	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1991

Total Beds	114
Ownership/Control	Private, For Profit
STAFFING:	
Medical Residents/Interns	0
Registered Nurses	21
Licensed Practical Nurses	12

SPECIALTY SERVICES:	
Burn Unit	No
Coronary Care Unit	No
Hospice	No
Intensive Care Unit	No
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

ADCARE HOSPITAL OF WORCESTER INC

Medicare Provider Number: 220062

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	63	0.0	0.7	*	0.0	1.3	*	0.0	2.0	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	147	2.0	1.0	1.3	2.7	2.4	1.3	3.4	3.6	1.6
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ADDISON GILBERT HOSPITAL

298 Washington St
Gloucester, MA 01930

Medicare Provider Number: 220128

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,065	9.1	9.1	1.0	14.1	14.1	1.2	17.5	18.0	1.5
CONDITIONS:										
Acute Myocardial Infarction	33	36.4	25.4	*	42.4	29.2	*	42.4	32.7	*
Congestive Heart Failure	60	18.3	14.9	6.6	23.3	23.0	6.0	31.7	29.7	6.5
Pneumonia/Influenza	61	14.8	16.4	6.3	21.3	22.3	5.8	27.9	26.8	5.9
Chronic Obstructive Pulmonary Disease	25	4.0	5.2	*	4.0	10.2	*	8.0	15.0	*
Transient Cerebral Ischemia	12	8.3	2.3	*	8.3	5.2	*	8.3	8.4	*
Stroke	34	23.5	16.3	*	29.4	23.2	*	35.3	27.5	*
Hip Fracture	25	0.0	6.0	*	12.0	11.2	*	16.0	14.9	*
Sepsis	9	11.1	21.0	*	11.1	26.8	*	22.2	31.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.9	*	0.0	5.8	*	0.0	8.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	0.0	4.0	*	13.3	7.9	*	20.0	11.1	*
Open Reduction of Hip Fracture	9	0.0	5.2	*	11.1	10.3	*	11.1	14.0	*
Prostatectomy	52	1.9	0.7	1.4	1.9	1.8	2.7	5.8	3.1	3.3
Cholecystectomy	13	0.0	4.7	*	7.7	8.9	*	7.7	11.6	*
Hysterectomy	10	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	111
Occupancy Rate	78
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	51
Percent of Physicians Board Certified Specialists	71
Medical Residents/Interns	0
Registered Nurses	129
Licensed Practical Nurses	27

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ADDISON GILBERT HOSPITAL

Medicare Provider Number: 220128

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,093	8.4	9.5	1.0	12.9	14.9	1.4	16.4	19.0	1.6
CONDITIONS:										
Acute Myocardial Infarction	46	17.4	25.4	*	21.7	29.4	*	30.4	33.0	*
Congestive Heart Failure	61	14.8	16.7	5.0	26.2	25.1	6.2	32.8	32.0	6.3
Pneumonia/Influenza	81	7.4	16.3	5.5	11.1	21.9	6.4	16.0	26.3	6.4
Chronic Obstructive Pulmonary Disease	18	5.6	5.1	*	11.1	9.9	*	11.1	14.2	*
Transient Cerebral Ischemia	21	0.0	2.6	*	0.0	6.0	*	4.8	9.7	*
Stroke	47	21.3	22.0	*	29.8	29.4	*	34.0	34.2	*
Hip Fracture	36	8.3	6.5	*	13.9	11.9	*	16.7	15.5	*
Sepsis	5	40.0	20.6	*	40.0	28.6	*	40.0	34.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	7.6	*	11.1	12.2	*	11.1	15.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	21	4.8	3.9	*	14.3	7.7	*	14.3	10.4	*
Open Reduction of Hip Fracture	13	0.0	5.2	*	0.0	9.8	*	7.7	12.8	*
Prostatectomy	42	2.4	1.1	*	4.8	2.8	*	11.9	4.7	*
Cholecystectomy	11	0.0	3.7	*	0.0	6.6	*	0.0	8.4	*
Hysterectomy	10	0.0	0.3	*	10.0	0.6	*	10.0	0.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,105	10.6	10.1	1.3	15.8	15.8	1.9	20.5	20.2	1.8
CONDITIONS:										
Acute Myocardial Infarction	50	38.0	28.0	*	46.0	32.6	*	50.0	36.5	*
Congestive Heart Failure	64	10.9	19.1	9.4	21.9	29.3	10.0	29.7	37.3	10.9
Pneumonia/Influenza	68	17.6	16.9	5.1	27.9	23.1	8.1	30.9	27.8	7.3
Chronic Obstructive Pulmonary Disease	10	10.0	12.9	*	30.0	22.9	*	40.0	30.8	*
Transient Cerebral Ischemia	9	0.0	2.2	*	0.0	4.8	*	0.0	7.6	*
Stroke	43	23.3	18.5	*	30.2	25.2	*	37.2	29.6	*
Hip Fracture	45	0.0	6.2	*	6.7	11.8	*	8.9	15.8	*
Sepsis	6	33.3	26.4	*	33.3	36.4	*	33.3	43.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.9	*	0.0	7.3	*	0.0	10.5	*
Carotid Endarterectomy	3	0.0	2.5	*	0.0	4.5	*	33.3	6.5	*
Hip Replacement/Reconstruction	17	0.0	4.7	*	11.8	10.0	*	11.8	14.1	*
Open Reduction of Hip Fracture	23	0.0	5.2	*	4.3	10.3	*	4.3	14.0	*
Prostatectomy	37	2.7	1.4	*	5.4	3.1	*	8.1	4.9	*
Cholecystectomy	12	0.0	2.5	*	0.0	4.1	*	0.0	5.1	*
Hysterectomy	7	0.0	0.6	*	0.0	1.3	*	0.0	1.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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167.2

Addison Gilbert Hospital
298 Washington Street, Gloucester, MA 01930
(508) 283-4000

Medicare # 220128

January 11, 1991

Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

RE: Comments on Hospital Mortality Rates

ATTENTION: Mrs. Sandra Koppert

The in-patient hospital mortality rates for Medicare beneficiaries reflect the fact that the Addison Gilbert Hospital patient census for individual categories excepting CHF, pneumonia and prostatectomy are too small for statistical significance. The statistics for CHF and pneumonia for all three years show that the Addison Gilbert Hospital is well within the predicted ranges. The 1989 statistic for Prostatectomy also reflects expected performance. Similarly, the statistics for overall mortality shows that the Addison Gilbert Hospital is well within predicted ranges for fiscal years 1987, 1988, and 1989.

We feel that the statistics reflect the institution's continuing commitment to quality care. The Addison Gilbert Hospital welcomes this opportunity to review comparative data for the last three years.

Sincerely,

Kathryn Melendy

Kathryn Melendy
President

KM:sto

AMESBURY HOSPITAL

24 Morrill Place
Amesbury, MA 01913

Medicare Provider Number: 220131

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	563	11.4	10.9	1.3	16.5	17.0	1.8	19.5	21.7	2.1
CONDITIONS:										
Acute Myocardial Infarction	19	21.1	23.6	*	21.1	26.7	*	21.1	30.0	*
Congestive Heart Failure	42	21.4	20.1	*	28.6	29.6	*	38.1	37.2	*
Pneumonia/Influenza	31	22.6	18.3	*	25.8	24.7	*	25.8	29.8	*
Chronic Obstructive Pulmonary Disease	16	0.0	6.9	*	6.3	12.5	*	6.3	17.5	*
Transient Cerebral Ischemia	13	7.7	2.8	*	7.7	6.7	*	7.7	11.2	*
Stroke	15	26.7	23.1	*	33.3	30.0	*	33.3	34.9	*
Hip Fracture	16	0.0	6.2	*	6.3	11.4	*	12.5	15.0	*
Sepsis	10	10.0	27.0	*	10.0	33.4	*	20.0	39.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.0	*	0.0	2.1	*	0.0	3.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	4.8	*	0.0	9.2	*	14.3	12.2	*
Open Reduction of Hip Fracture	10	0.0	5.5	*	10.0	10.7	*	10.0	14.4	*
Prostatectomy	6	0.0	1.2	*	0.0	3.3	*	0.0	6.2	*
Cholecystectomy	3	0.0	2.8	*	33.3	4.0	*	33.3	4.7	*
Hysterectomy	4	0.0	0.3	*	0.0	0.5	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	59
Occupancy Rate	61
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	26
Percent of Physicians Board Certified Specialists	92
Medical Residents/Interns	0
Registered Nurses	44
Licensed Practical Nurses	18

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

AMESBURY HOSPITAL

Medicare Provider Number: 220131

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	575	9.9	10.6	2.3	14.6	16.0	2.4	17.9	20.1	3.0
CONDITIONS:										
Acute Myocardial Infarction	26	15.4	28.5	*	19.2	32.0	*	23.1	35.7	*
Congestive Heart Failure	45	11.1	16.0	*	15.6	24.9	*	20.0	32.0	*
Pneumonia/Influenza	36	19.4	18.2	*	30.6	24.5	*	33.3	29.4	*
Chronic Obstructive Pulmonary Disease	14	7.1	7.6	*	14.3	12.8	*	21.4	17.5	*
Transient Cerebral Ischemia	11	0.0	2.1	*	0.0	4.5	*	0.0	7.1	*
Stroke	19	15.8	26.8	*	21.1	34.2	*	26.3	39.4	*
Hip Fracture	15	6.7	7.1	*	20.0	13.5	*	20.0	17.6	*
Sepsis	6	0.0	28.0	*	33.3	35.0	*	33.3	40.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	12.9	*	25.0	21.3	*	25.0	27.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	6.4	*	0.0	12.5	*	0.0	16.4	*
Open Reduction of Hip Fracture	5	0.0	8.3	*	40.0	16.6	*	40.0	22.1	*
Prostatectomy	14	0.0	3.0	*	0.0	7.4	*	0.0	11.8	*
Cholecystectomy	7	0.0	2.3	*	0.0	4.3	*	0.0	5.7	*
Hysterectomy	2	0.0	1.1	*	0.0	2.6	*	0.0	4.0	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	578	9.9	9.7	1.3	13.5	14.6	1.6	16.4	18.6	2.2
CONDITIONS:										
Acute Myocardial Infarction	17	58.8	36.0	*	64.7	40.6	*	64.7	44.8	*
Congestive Heart Failure	20	15.0	18.2	*	20.0	26.6	*	35.0	33.6	*
Pneumonia/Influenza	39	20.5	17.9	*	23.1	23.7	*	23.1	28.5	*
Chronic Obstructive Pulmonary Disease	21	9.5	9.1	*	14.3	15.9	*	14.3	21.7	*
Transient Cerebral Ischemia	16	0.0	3.2	*	6.3	7.2	*	12.5	11.6	*
Stroke	15	20.0	17.9	*	20.0	24.2	*	20.0	28.6	*
Hip Fracture	13	7.7	7.6	*	7.7	13.2	*	7.7	16.8	*
Sepsis	7	42.9	35.7	*	57.1	43.7	*	57.1	51.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	7.6	*	0.0	12.4	*	20.0	15.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	50.0	11.2	*	50.0	18.6	*	50.0	22.6	*
Open Reduction of Hip Fracture	4	0.0	7.0	*	0.0	13.4	*	0.0	17.7	*
Prostatectomy	13	0.0	1.1	*	0.0	2.5	*	0.0	4.0	*
Cholecystectomy	7	0.0	2.4	*	0.0	4.1	*	14.3	5.4	*
Hysterectomy	7	0.0	1.6	*	14.3	3.5	*	14.3	5.3	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ANNA JAQUES HOSPITAL

25 Highland Ave
Newburyport, MA 01950

Medicare Provider Number: 220029

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,063	6.5	9.8	1.0	11.1	14.7	1.1	16.0	18.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	45	8.9	29.5	*	15.6	32.8	*	17.8	36.4	*
Congestive Heart Failure	58	19.0	16.5	5.2	34.5	25.5	8.5	41.4	32.8	10.0
Pneumonia/Influenza	74	10.8	18.5	7.6	16.2	25.0	8.2	23.0	29.9	7.0
Chronic Obstructive Pulmonary Disease	19	10.5	9.7	*	15.8	17.3	*	26.3	23.6	*
Transient Cerebral Ischemia	16	0.0	2.3	*	0.0	5.3	*	0.0	8.6	*
Stroke	37	10.8	21.6	*	21.6	27.8	*	29.7	32.3	*
Hip Fracture	35	2.9	6.5	*	2.9	11.6	*	8.6	15.0	*
Sepsis	12	0.0	31.7	*	8.3	40.1	*	25.0	46.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	4.6	*	6.3	7.9	*	6.3	10.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	0.0	2.7	*	0.0	5.1	*	8.3	6.9	*
Open Reduction of Hip Fracture	23	4.3	6.6	*	4.3	12.4	*	8.7	16.2	*
Prostatectomy	22	0.0	1.3	*	0.0	3.1	*	0.0	5.1	*
Cholecystectomy	24	4.2	3.7	*	4.2	6.7	*	4.2	8.8	*
Hysterectomy	1	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	156
Occupancy Rate	64
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	73
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	0
Registered Nurses	123
Licensed Practical Nurses	26

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ANNA JAQUES HOSPITAL

Medicare Provider Number: 220029

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,108	9.1	10.2	1.5	14.4	15.5	1.8	18.5	19.6	2.0
CONDITIONS:										
Acute Myocardial Infarction	31	19.4	29.2	*	22.6	32.6	*	22.6	36.7	*
Congestive Heart Failure	61	9.8	16.0	8.3	16.4	24.9	10.7	24.6	32.2	10.5
Pneumonia/Influenza	58	15.5	20.3	8.2	20.7	27.5	10.0	27.6	32.7	8.7
Chronic Obstructive Pulmonary Disease	22	4.5	7.8	*	13.6	13.3	*	22.7	18.0	*
Transient Cerebral Ischemia	28	3.6	2.1	*	7.1	4.5	*	7.1	7.1	*
Stroke	40	17.5	25.1	*	30.0	32.1	*	35.0	37.1	*
Hip Fracture	36	5.6	7.6	*	19.4	13.9	*	25.0	17.9	*
Sepsis	18	27.8	24.8	*	38.9	33.5	*	38.9	40.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	9.1	*	16.7	12.4	*	16.7	15.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	18	0.0	5.7	*	16.7	11.0	*	16.7	14.5	*
Open Reduction of Hip Fracture	14	14.3	6.0	*	21.4	11.6	*	21.4	15.4	*
Prostatectomy	21	9.5	1.4	*	14.3	3.4	*	19.0	5.4	*
Cholecystectomy	15	0.0	2.1	*	0.0	3.8	*	0.0	5.0	*
Hysterectomy	4	0.0	0.6	*	25.0	1.3	*	25.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,096	11.3	11.5	1.1	16.3	16.8	1.2	19.6	21.0	1.5
CONDITIONS:										
Acute Myocardial Infarction	37	35.1	34.2	*	40.5	37.8	*	40.5	41.7	*
Congestive Heart Failure	68	13.2	15.0	5.5	20.6	22.8	5.4	26.5	29.5	7.4
Pneumonia/Influenza	70	24.3	20.4	6.3	35.7	27.6	9.0	35.7	33.0	7.0
Chronic Obstructive Pulmonary Disease	25	20.0	10.6	*	32.0	18.8	*	36.0	25.1	*
Transient Cerebral Ischemia	20	0.0	2.1	*	0.0	4.5	*	10.0	7.1	*
Stroke	44	15.9	20.6	*	20.5	27.5	*	25.0	32.3	*
Hip Fracture	33	6.1	6.7	*	12.1	12.3	*	15.2	16.2	*
Sepsis	18	22.2	34.3	*	33.3	42.8	*	38.9	49.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	18.8	3.4	*	18.8	7.2	*	18.8	10.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	3.8	*	7.7	7.2	*	7.7	9.5	*
Open Reduction of Hip Fracture	16	6.3	7.1	*	18.8	13.7	*	25.0	18.4	*
Prostatectomy	19	0.0	0.8	*	5.3	2.0	*	5.3	3.4	*
Cholecystectomy	16	6.3	2.0	*	12.5	3.3	*	12.5	4.2	*
Hysterectomy	4	0.0	0.2	*	0.0	0.3	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

171.1

ANNA JAQUES HOSPITAL
OF NEWBURYPORT

25 Highland Avenue
Newburyport, MA 01950
(508) 463-1000

Reaching out to serve you !

January 11, 1991

Mrs. Sandra Kappert
Health Standards & Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Bldg.
6325 Security Blvd.
Baltimore, MD 21207

Dear Mrs. Kappert:

We have reviewed the data sent to us by Health Care Financing Administration (HCFA) concerning the Anna Jaques Hospital's 1989 Medicare mortality results, and wish to offer the following comments.

Although the Hospital's Medicare mortality rates for the calendar year 1989 remain within or below the predicted range in 16 of the 17 diagnostic categories, and are 39% lower in deaths from all causes as compared to the 1988 data and 64% lower compared to the 1987 data, we do not feel that this accurately reflects the high quality of care which we provide. It is our firm conviction, as we have stated before, that such data is only useful as a screening tool to help us analyze the quality and appropriateness of services we provide. It should not be used as a guide to our performance and unfortunately can be misinterpreted by the public.

During the four years of Medicare mortality review our total number of Medicare admissions has remained remarkably constant. During this time the overall mortality rate has consistently decreased. In 1988 10.6% of our Medicare beneficiaries died within thirty days of being discharged from our hospital. In 1989 this value dropped to 6.5%. We have reviewed the 1989 medical records of these 73 patients as well as the 97 patients who died within 180 days of being discharged from our hospital. We have been unable to document any instance in which the quality of care rendered by our physicians was considered to be inappropriate or questionable by his or her peers. All patients who die in the Hospital, whether they are Medicare beneficiaries or not, are reviewed and in many instances discussed in detail by the appropriate medical department. In addition all such cases are thoroughly reviewed by the state PRO. We are concerned that only 33% of our Medicare patients who died within six months of being admitted to the Anna Jaques Hospital died during their hospital stay. In 1988 nearly 80% of the deaths occurred during the hospital stay. Careful investigation has excluded any possibility of premature discharge, however, it does raise questions concerning the availability of outside health care services in our region.

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Sixty-eight percent of the 1,063 Medicare patients discharged in 1989 were less than 80 years of age, while 49% of those who died within six months of discharge were 80 years or older and 24% were 90 years or older. In 16 of the 17 diagnostic categories studied the mortality rates of our Medicare patients were substantially lower than the predicted values. Only in cases of congestive heart failure (58 cases) did the observed rate of death exceed that which was predicted. This discrepancy was less than one half a standard deviation at 30 days and less than 1 standard deviation at 90 days and 180 days, raising the question as to whether the difference is statistically significant.

Although HCFA has made some significant changes in the method of analyzing admissions, including the use of a survival model, calculating 30, 90, and 180 day values and making point-to-point comparisons rather to point-to-range comparisons, the methodology and format still do not adequately take into account true severity of illness, variations in hospital management, status of the patient on admission or discharge, complete co-morbidities, terminal illnesses, the actual cause of death which is often unrelated to the principal diagnosis, Do Not Resuscitate (DNR) orders, refusal of treatment, or the results of peer review; and consequently still do not truly reflect quality of care.

Quality of care continues to be a prime concern of the Anna Jaques Hospital's Governing Body, Administration, and Medical Staff. We have implemented a process to assure that patient care is maintained at an optimal achievable level on an on-going basis through our Patient Care Assessment Program and our Quality Assurance, Risk Management, Peer Review, and Utilization Review activities.

As President of the hospital I continue to personally investigate and respond in writing to all quality concern issues raised by patients or their families.

Seniors represent 14% of our primary service area's population compared to the national average of 12%. Anna Jaques Hospital is committed to providing services that address the needs of this growing population. In addition to the quality medical care provided by the Hospital, Anna Jaques Hospital has fostered the development of a Senior Service Program that offers seniors: a Senior Supper Program, Meals on Wheels, a Medicare Information Service, and also "Companion", a personal emergency response system that allows seniors to call for emergency help when they cannot reach the phone. Anna Jaques Hospital will continue to encourage the development of other programs and services that enhance the quality of life of this growing population segment.

I want to thank you for giving us this opportunity to respond and I look forward to continuing to work together to ensure quality of care to all of the patients we serve.

Very sincerely,

Allan L. DesRosiers
President

/sw/KRAUSMED

Enclosure: Addendum

ATHOL MEMORIAL HOSPITAL

2033 Main Street
Athol, MA 01331

Medicare Provider Number: 220003

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	536	8.8	8.8	1.8	14.9	14.0	1.7	17.5	18.3	1.8
CONDITIONS:										
Acute Myocardial Infarction	15	26.7	32.8	*	33.3	37.7	*	40.0	42.0	*
Congestive Heart Failure	61	16.4	15.4	5.0	26.2	24.1	5.8	32.8	31.4	6.1
Pneumonia/Influenza	28	3.6	12.3	*	14.3	17.0	*	21.4	21.1	*
Chronic Obstructive Pulmonary Disease	10	10.0	5.4	*	10.0	11.1	*	10.0	17.0	*
Transient Cerebral Ischemia	20	0.0	1.9	*	5.0	4.5	*	5.0	7.4	*
Stroke	18	27.8	19.5	*	33.3	25.8	*	33.3	30.4	*
Hip Fracture	7	14.3	4.3	*	14.3	8.2	*	14.3	11.0	*
Sepsis	3	33.3	15.3	*	33.3	19.7	*	33.3	24.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	0.9	*	0.0	2.0	*	0.0	3.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	2.5	*	0.0	5.1	*	0.0	7.4	*
Open Reduction of Hip Fracture	1	0.0	8.0	*	0.0	15.4	*	0.0	20.1	*
Prostatectomy	0									
Cholecystectomy	5	0.0	1.8	*	0.0	3.2	*	0.0	4.1	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	59
Occupancy Rate	58
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	20
Percent of Physicians Board Certified Specialists	65
Medical Residents/Interns	0
Registered Nurses	41
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ATHOL MEMORIAL HOSPITAL

Medicare Provider Number: 220003

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	584	9.1	10.0	1.5	16.4	15.9	1.6	20.0	20.3	1.7
CONDITIONS:										
Acute Myocardial Infarction	22	40.9	27.4	*	45.5	31.1	*	45.5	34.6	*
Congestive Heart Failure	57	14.0	17.6	5.5	29.8	26.6	7.9	40.4	33.5	7.7
Pneumonia/Influenza	33	12.1	14.6	*	21.2	20.6	*	21.2	24.7	*
Chronic Obstructive Pulmonary Disease	5	0.0	10.4	*	0.0	17.5	*	20.0	24.6	*
Transient Cerebral Ischemia	16	6.3	2.0	*	18.8	4.6	*	18.8	7.3	*
Stroke	27	18.5	17.8	*	29.6	26.0	*	29.6	31.0	*
Hip Fracture	6	0.0	4.0	*	0.0	7.3	*	0.0	9.7	*
Sepsis	2	0.0	20.0	*	50.0	27.6	*	50.0	32.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	3.4	*	0.0	5.6	*	0.0	8.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	3.1	*	0.0	6.0	*	0.0	8.1	*
Open Reduction of Hip Fracture	2	0.0	3.0	*	0.0	6.0	*	0.0	8.3	*
Prostatectomy	1	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*
Cholecystectomy	5	0.0	0.9	*	0.0	1.6	*	0.0	2.1	*
Hysterectomy	4	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	607	9.4	9.0	1.5	17.0	14.1	2.4	19.8	18.2	2.3
CONDITIONS:										
Acute Myocardial Infarction	27	29.6	24.5	*	37.0	28.7	*	37.0	32.7	*
Congestive Heart Failure	44	20.5	16.1	*	40.9	24.6	*	43.2	31.7	*
Pneumonia/Influenza	19	10.5	12.4	*	21.1	17.4	*	26.3	21.3	*
Chronic Obstructive Pulmonary Disease	7	0.0	4.6	*	14.3	9.6	*	28.6	14.2	*
Transient Cerebral Ischemia	18	5.6	2.2	*	11.1	4.9	*	16.7	7.9	*
Stroke	19	21.1	18.4	*	36.8	25.4	*	42.1	29.7	*
Hip Fracture	11	18.2	8.1	*	27.3	13.9	*	27.3	17.4	*
Sepsis	3	33.3	13.3	*	33.3	18.3	*	33.3	22.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	7.4	*	0.0	12.7	*	0.0	17.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	7	28.6	6.4	*	28.6	11.9	*	28.6	15.3	*
Prostatectomy	4	25.0	1.1	*	25.0	2.6	*	25.0	4.5	*
Cholecystectomy	3	0.0	3.7	*	0.0	6.4	*	0.0	8.0	*
Hysterectomy	4	0.0	1.6	*	25.0	3.8	*	25.0	6.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ATLANTICARE MEDICAL CENTER INC

500 Lynnfield Street
Lynn, MA 01904

Medicare Provider Number: 220035

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,694	11.3	10.2	0.7	17.8	15.7	1.3	22.0	20.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	116	31.0	26.8	4.9	36.2	30.4	5.9	41.4	33.9	6.3
Congestive Heart Failure	130	23.1	16.3	5.4	33.8	24.9	6.1	40.8	32.0	6.4
Pneumonia/Influenza	139	17.3	18.1	3.6	25.2	24.4	3.7	28.1	29.4	4.0
Chronic Obstructive Pulmonary Disease	36	2.8	7.7	*	16.7	12.5	*	16.7	16.8	*
Transient Cerebral Ischemia	63	1.6	1.8	2.7	4.8	4.0	3.5	9.5	6.4	4.9
Stroke	84	19.0	21.5	4.8	25.0	28.5	6.4	26.2	32.9	7.8
Hip Fracture	79	6.3	7.4	4.5	10.1	13.1	5.5	16.5	16.7	4.2
Sepsis	28	14.3	21.4	*	28.6	30.1	*	32.1	36.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	5.9	4.6	*	5.9	7.6	*	5.9	9.8	*
Carotid Endarterectomy	5	0.0	1.6	*	0.0	2.7	*	20.0	3.9	*
Hip Replacement/Reconstruction	36	2.8	6.0	*	5.6	11.7	*	13.9	15.7	*
Open Reduction of Hip Fracture	42	7.1	7.1	*	11.9	12.7	*	21.4	16.2	*
Prostatectomy	77	2.6	1.1	2.4	3.9	2.8	3.0	5.2	4.8	3.3
Cholecystectomy	41	2.4	2.5	*	7.3	4.4	*	7.3	5.7	*
Hysterectomy	14	0.0	0.8	*	0.0	1.7	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	317
Occupancy Rate	76
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	159
Percent of Physicians Board Certified Specialists	87
Medical Residents/Interns	0
Registered Nurses	272
Licensed Practical Nurses	28

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ATLANTICARE MEDICAL CENTER INC

Medicare Provider Number: 220035

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	2,872	11.1	10.4	0.8	17.0	16.0	1.1	21.2	20.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	115	30.4	27.5	6.5	33.9	30.9	7.1	37.4	34.3	8.2
Congestive Heart Failure	144	16.7	17.5	4.7	27.8	26.4	6.3	34.7	33.6	4.4
Pneumonia/Influenza	160	23.7	20.0	3.9	33.1	26.3	5.6	38.1	31.3	5.7
Chronic Obstructive Pulmonary Disease	43	9.3	7.2	*	16.3	12.8	*	16.3	17.9	*
Transient Cerebral Ischemia	56	0.0	1.9	2.5	1.8	4.2	4.0	1.8	6.6	5.8
Stroke	99	18.2	20.7	4.9	24.2	27.7	5.0	33.3	32.2	4.9
Hip Fracture	89	5.6	7.2	3.1	12.4	13.0	3.7	16.9	16.7	4.3
Sepsis	25	24.0	30.1	*	28.0	39.1	*	40.0	45.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	4.9	*	0.0	7.7	*	0.0	10.4	*
Carotid Endarterectomy	11	0.0	1.7	*	18.2	3.2	*	18.2	4.6	*
Hip Replacement/Reconstruction	33	6.1	6.0	*	12.1	11.6	*	21.2	15.1	*
Open Reduction of Hip Fracture	52	0.0	6.0	5.1	5.8	11.3	6.9	7.7	14.8	7.4
Prostatectomy	63	4.8	1.1	3.4	6.3	2.8	3.7	6.3	4.7	4.0
Cholecystectomy	43	2.3	3.5	*	4.7	6.0	*	4.7	7.6	*
Hysterectomy	20	0.0	0.3	*	5.0	0.6	*	5.0	0.8	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	1,859	11.6	11.0	1.4	17.7	16.6	1.6	21.6	20.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	77	31.2	28.7	7.7	32.5	32.7	6.8	35.1	36.4	5.9
Congestive Heart Failure	85	18.8	18.2	4.5	31.8	27.0	5.8	36.5	34.0	5.6
Pneumonia/Influenza	129	18.6	18.8	3.6	24.8	25.0	3.9	27.9	29.8	5.6
Chronic Obstructive Pulmonary Disease	65	9.2	8.5	5.9	16.9	15.5	5.1	21.5	21.2	5.1
Transient Cerebral Ischemia	38	2.6	1.8	*	2.6	4.0	*	5.3	6.3	*
Stroke	80	27.5	22.4	6.4	31.3	30.2	5.3	36.2	34.9	5.6
Hip Fracture	38	13.2	6.2	*	15.8	11.3	*	15.8	14.7	*
Sepsis	22	18.2	23.3	*	22.7	31.2	*	22.7	37.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	5.0	*	0.0	8.4	*	33.3	11.2	*
Carotid Endarterectomy	6	0.0	1.7	*	0.0	3.3	*	0.0	4.7	*
Hip Replacement/Reconstruction	14	21.4	5.1	*	21.4	10.1	*	21.4	13.5	*
Open Reduction of Hip Fracture	15	13.3	4.4	*	20.0	8.7	*	20.0	11.7	*
Prostatectomy	25	0.0	2.1	*	0.0	5.0	*	4.0	8.3	*
Cholecystectomy	18	5.6	2.6	*	5.6	5.0	*	11.1	6.9	*
Hysterectomy	7	0.0	0.4	*	0.0	0.9	*	0.0	1.5	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

175.1

AtlantiCare

AtlantiCare Medical Center

ATLANTICARE MEDICAL CENTER MEDICARE PROVIDER #: 220035

COMMENTS REGARDING THE HCFA MORTALITY STATISTICS

The AtlantiCare Medical Center is committed to providing high quality, cost effective patient care. To achieve this goal, the Medical Center has implemented a Quality Improvement Program to comprehensively monitor, evaluate and continuously improve patient care quality and service. The program includes concurrent generic quality screening of each patient's hospitalization; focused review of high volume, high risk and/or problem prone diagnoses and/or procedures; review of all mortalities; and, blood usage review, surgical case review, infection control monitoring, drug usage review and medical record review. In addition, the Medical Center evaluates the HCFA Mortality Statistics to assess if our mortality experience is different from the expected average ranges and, in the event that they are, we evaluate why the Medical Center's experience varies from the norm and if opportunities exist to improve patient care.

The Medical Center's evaluation of the most recent HCFA Mortality Statistics (1988 & 1989) demonstrates that its mortality rates consistently fall within the expected range of mortality for a given diagnosis or procedure category. This was determined, as suggested by HCFA, by calculating the predicted range of expected mortality at the 95 percent confidence level using the designated multiplicative factor and standard deviation; and, comparing the Medical Center's rate with this calculated range.

For those diagnosis/procedure categories where the Medical Center had less than 50 cases, HCFA states that "the precision and interpretability of our (HCFA's) estimates are questionable". Furthermore, a predicted range of mortality could not be calculated because a standard deviation was unavailable. Therefore, for those categories where the Medical Center's statistic fell above the point estimate of expected mortality, (essentially an uninterpretable difference) we looked to see if there were a pattern established between the 1988 and 1989 data that would indicate a consistent pattern of higher than expected mortality. We found no such pattern and therefore conclude that the difference in expected mortality for these categories cannot be considered meaningful.

ATLANTICARE MEDICAL CENTER MEDICARE PROVIDER #: 220035

We appreciate the opportunity to comment on the results of our hospital specific mortality statistics. Based on our review as discussed above, we are confident that the Medical Center's mortality statistics fall within the expected range. We do wish to note, nevertheless, that we do not feel these statistics are a meaningful guide to hospital performance, nor do they represent the high quality of care provided at the Medical Center. Rather, we believe this is demonstrated daily at AtlantiCare through the implementation of our Quality Improvement Program and the continuous commitment of our medical, nursing and ancillary staffs and administration to superior patient care quality and service.

BAYSTATE MEDICAL CENTER

759 Chestnut St
Springfield, MA 01107

Medicare Provider Number: 220077

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,588	11.2	9.9	0.6	17.1	15.2	0.7	21.1	19.2	0.7
CONDITIONS:										
Acute Myocardial Infarction	209	27.3	22.9	3.8	30.6	26.7	3.6	33.5	30.2	3.7
Congestive Heart Failure	212	15.1	15.2	2.6	24.1	23.5	3.5	31.1	30.3	3.6
Pneumonia/Influenza	177	22.6	17.2	5.5	28.8	23.3	5.6	33.3	28.0	5.8
Chronic Obstructive Pulmonary Disease	55	7.3	7.1	3.9	14.5	12.0	5.1	18.2	16.4	5.4
Transient Cerebral Ischemia	44	0.0	1.7	*	4.5	3.8	*	6.8	6.0	*
Stroke	154	20.8	22.1	4.9	34.4	28.8	6.0	38.3	33.3	6.3
Hip Fracture	105	3.8	7.6	4.1	8.6	13.4	5.4	11.4	17.2	6.1
Sepsis	40	20.0	24.5	*	32.5	32.7	*	35.0	38.7	*
PROCEDURES:										
Angioplasty	81	1.2	2.2	1.9	3.7	3.1	2.1	6.2	4.2	3.2
Coronary Artery Bypass Graft	132	13.6	5.7	3.7	14.4	8.1	3.3	15.2	9.7	3.3
Initial Pacemaker Insertion	41	2.4	2.9	*	7.3	5.0	*	9.8	7.0	*
Carotid Endarterectomy	31	3.2	1.4	*	3.2	2.6	*	3.2	3.7	*
Hip Replacement/Reconstruction	79	2.5	3.3	2.3	5.1	6.1	3.1	7.6	7.9	3.1
Open Reduction of Hip Fracture	44	2.3	6.7	*	9.1	12.4	*	11.4	16.2	*
Prostatectomy	97	0.0	1.3	1.6	3.1	3.2	2.1	4.1	5.2	2.6
Cholecystectomy	69	5.8	4.4	3.3	7.2	7.5	4.2	11.6	9.7	4.4
Hysterectomy	62	3.2	1.2	3.3	4.8	2.8	3.7	6.5	4.2	3.9

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	669
Occupancy Rate	82
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	553
Percent of Physicians Board Certified Specialists	81
Medical Residents/Interns	161
Registered Nurses	874
Licensed Practical Nurses	129

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

BAYSTATE MEDICAL CENTER

Medicare Provider Number: 220077

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,540	11.2	10.8	0.5	17.6	16.2	0.8	22.2	20.4	1.0
CONDITIONS:										
Acute Myocardial Infarction	239	24.3	24.8	3.1	29.7	28.7	3.1	33.5	32.4	3.3
Congestive Heart Failure	217	17.5	16.7	3.1	26.7	25.1	3.8	32.3	32.0	3.2
Pneumonia/Influenza	169	20.7	19.3	4.4	29.0	26.1	4.3	34.3	31.2	5.5
Chronic Obstructive Pulmonary Disease	52	9.6	7.4	4.1	17.3	12.9	6.0	25.0	17.9	9.1
Transient Cerebral Ischemia	49	0.0	2.1	*	2.0	4.5	*	6.1	7.0	*
Stroke	149	19.5	22.6	4.9	26.2	29.3	4.8	30.2	33.9	6.4
Hip Fracture	108	6.5	7.0	2.8	13.9	12.5	3.9	19.4	15.9	6.9
Sepsis	44	22.7	31.4	*	34.1	39.7	*	40.9	45.5	*
PROCEDURES:										
Angioplasty	64	1.6	3.6	2.9	4.7	4.7	2.8	6.3	5.8	2.9
Coronary Artery Bypass Graft	101	8.9	6.5	3.2	9.9	9.1	3.0	11.9	10.7	3.3
Initial Pacemaker Insertion	27	7.4	5.9	*	11.1	8.8	*	14.8	11.7	*
Carotid Endarterectomy	33	6.1	1.6	*	6.1	3.0	*	9.1	4.3	*
Hip Replacement/Reconstruction	73	4.1	3.8	2.2	9.6	7.3	3.6	13.7	9.5	6.0
Open Reduction of Hip Fracture	45	6.7	6.1	*	15.6	11.4	*	24.4	14.8	*
Prostatectomy	113	0.0	1.9	2.2	6.2	4.2	2.5	8.8	6.6	3.3
Cholecystectomy	55	3.6	3.7	2.9	7.3	6.9	3.7	12.7	9.3	4.8
Hysterectomy	54	1.9	0.8	1.6	3.7	1.8	2.6	3.7	2.9	3.4

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,505	11.8	11.2	0.6	17.7	16.9	0.7	21.4	21.1	0.8
CONDITIONS:										
Acute Myocardial Infarction	211	28.4	26.8	3.5	33.6	30.3	4.1	35.5	33.7	3.7
Congestive Heart Failure	216	13.0	18.4	4.3	25.0	27.5	3.6	35.2	34.7	3.4
Pneumonia/Influenza	170	24.1	19.6	4.6	30.0	26.2	4.3	31.8	31.2	3.6
Chronic Obstructive Pulmonary Disease	47	6.4	8.1	*	19.1	14.2	*	21.3	19.3	*
Transient Cerebral Ischemia	53	0.0	1.9	2.7	1.9	3.9	3.7	5.7	6.0	3.7
Stroke	179	22.9	24.0	5.2	29.6	31.0	4.8	32.4	35.7	5.3
Hip Fracture	122	8.2	7.7	3.9	13.1	13.8	3.2	19.7	17.7	4.1
Sepsis	38	36.8	29.7	*	47.4	38.3	*	50.0	44.5	*
PROCEDURES:										
Angioplasty	49	0.0	4.2	*	0.0	5.2	*	6.1	6.4	*
Coronary Artery Bypass Graft	104	6.7	7.8	2.7	8.7	10.7	3.4	9.6	12.4	3.5
Initial Pacemaker Insertion	40	5.0	3.9	*	12.5	7.8	*	17.5	11.2	*
Carotid Endarterectomy	15	0.0	1.5	*	6.7	2.7	*	6.7	3.8	*
Hip Replacement/Reconstruction	58	10.3	4.3	6.1	15.5	8.3	5.9	19.0	11.2	7.4
Open Reduction of Hip Fracture	67	6.0	7.1	5.3	9.0	13.4	6.6	14.9	17.4	6.2
Prostatectomy	107	0.9	1.3	1.5	4.7	3.3	2.3	8.4	5.6	4.0
Cholecystectomy	83	4.8	4.2	5.3	12.0	7.4	6.1	13.3	9.3	6.8
Hysterectomy	53	0.0	1.0	*	0.0	2.0	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

177.1

Baystate
Medical Center
Member Baystate Health Systems
Springfield, Massachusetts 01199
[illegible]

Administration
Clifford M. Eldredge
Executive Vice President and
Chief Executive Officer
(413) 784-5890

January 15, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Medicare Provider Number: 220077

Dear Mrs. Kappert:

Thank you for making available the mortality data on patients who had part of their care given at Baystate Medical Center. While the Health Care Financing Administration (HCFA) uses discharge billing data to adjust for the severity of illness of an individual patient and subsequently employs grouping characteristics across larger patient populations, these factors can never be more than rough proxies for assessing the degree of illness. Subtle and complex differences related to both the acute and chronic health status of patients can lead to much variation in mortality rates - variation that is more closely related to the selection or referral of patients to one institution instead of another. These and other factors discussed below place severe limitations on using the mortality rates alone to try to draw conclusions about the quality of care. Baystate Medical Center is an 800 bed regional referral center for Western Massachusetts which cares for patients who are frequently referred to us because the severity of illness cannot be managed by institutions with fewer resources.

With specific regard to some of the categories that were assessed by the mortality data, some specific comments need to be made. There is the implication that deaths within 30, 90, and 180 days that are associated with a particular surgical procedure may be a result of that procedure. This may be misleading. For example, in one case where a death was originally coded as a coronary artery bypass graft procedure on the mortality table, a review of the individual case revealed that in fact four months later the patient suffered terminal complications from completely unrelated medical problems principally managed at another institution.

Another important point is that in four of the coronary artery bypass graft (CABG) cases, the patients' principal procedures were actually cardiac valve replacement. Patients with heart valve problems who also have coronary artery bypass grafting have a much higher risk of death than patients who only receive coronary artery bypass grafting alone. In the case of Baystate Medical Center's observed mortality data, the patients who had both a valve replacement as well as coronary artery bypass grafting would be anticipated to contribute to an appearance of a higher mortality rate than predicted. As of this writing, there was no information supplied to our institution that this adjustment in predicted mortality for valve replacement patients was taken into account.

However, more recently released coronary artery bypass (CABG) data by the Massachusetts Peer Review Organization, on behalf of the Health Care Financing Administration, demonstrates that Baystate's mortality rate is between 4.17 and 5.63 percent for all patients discharged from April 1, 1989 through June 30, 1990, which is significantly less than the attached Fiscal Year 1989 HCFA data.

Similar types of analysis need to be made when looking at the mortality data for acute myocardial infarctions. Given that our regional referral center frequently is sent severely ill patients from other hospitals who at the time of admission have higher likelihoods of poor outcomes, Baystate is quite pleased the mortality rate for acute myocardial infarction is not statistically meaningfully different from predicted mortality rates.

As we reanalyzed the mortality data for carotid endarterectomy, it became apparent that there was only one death that was reported. This does not lend itself to any statistical analysis.

Baystate is dedicated to striving to achieve perfection in serving the health care needs of our patients. We have a large and active Medical Center Quality Assessment Program which facilitates peer review for care being delivered by all professionals both during the hospital stay and after discharge. Mortality data, like other measures of patient outcomes, afford an opportunity to do a focused review of actual patient medical records to identify if the quality of care could be improved upon. Our hospital's analysis of 100 percent of all deaths is testimony to that commitment.

Sincerely,

Clifford M. Eldredge
Chief Executive Officer

Baystate Medical Center

ks
K77

BERKSHIRE MEDICAL CENTER

725 North Street
Pittsfield, MA 01201

Medicare Provider Number: 220046

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,561	9.4	9.7	0.6	15.5	14.9	0.8	20.1	19.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	91	22.0	29.1	10.1	27.5	32.4	10.0	29.7	35.8	8.8
Congestive Heart Failure	114	10.5	15.9	4.0	27.2	24.4	4.7	36.8	31.3	4.9
Pneumonia/Influenza	114	15.8	15.6	3.4	24.6	21.5	4.4	31.6	26.0	6.3
Chronic Obstructive Pulmonary Disease	27	3.7	6.9	*	11.1	12.1	*	22.2	17.0	*
Transient Cerebral Ischemia	23	8.7	1.8	*	8.7	3.8	*	8.7	5.9	*
Stroke	68	17.6	23.6	9.1	25.0	30.8	11.1	29.4	35.6	10.2
Hip Fracture	58	5.2	7.2	4.7	10.3	12.6	5.5	13.8	16.1	5.5
Sepsis	32	25.0	25.1	*	28.1	32.3	*	34.4	38.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	22.7	4.5	*	22.7	7.7	*	27.3	10.6	*
Carotid Endarterectomy	11	0.0	1.9	*	0.0	3.7	*	0.0	5.3	*
Hip Replacement/Reconstruction	53	0.0	3.2	4.0	0.0	6.2	6.9	3.8	8.6	5.9
Open Reduction of Hip Fracture	3	0.0	6.0	*	0.0	10.8	*	0.0	13.9	*
Prostatectomy	58	1.7	1.3	1.7	3.4	3.3	2.9	5.2	5.6	4.1
Cholecystectomy	37	0.0	2.7	*	0.0	4.9	*	2.7	6.6	*
Hysterectomy	19	5.3	0.3	*	5.3	0.7	*	5.3	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	305
Occupancy Rate	80
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	163
Percent of Physicians Board Certified Specialists	82
Medical Residents/Interns	50
Registered Nurses	277
Licensed Practical Nurses	31

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

BERKSHIRE MEDICAL CENTER

Medicare Provider Number: 220046

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,630	10.5	9.9	0.8	15.2	15.0	0.7	18.9	19.1	0.8
CONDITIONS:										
Acute Myocardial Infarction	85	32.9	31.1	5.4	35.3	34.3	5.2	37.6	37.7	5.3
Congestive Heart Failure	112	17.9	16.7	3.8	27.7	25.5	4.6	38.4	32.5	7.7
Pneumonia/Influenza	112	11.6	16.9	6.0	17.9	23.3	5.7	24.1	27.9	5.1
Chronic Obstructive Pulmonary Disease	24	4.2	11.2	*	8.3	17.3	*	12.5	23.1	*
Transient Cerebral Ischemia	24	0.0	2.1	*	0.0	4.3	*	4.2	6.6	*
Stroke	87	20.7	21.3	5.1	26.4	27.8	4.9	28.7	32.3	6.3
Hip Fracture	69	11.6	7.6	5.0	17.4	13.5	7.4	21.7	17.1	8.5
Sepsis	40	12.5	21.8	*	20.0	28.9	*	25.0	34.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	25.0	10.9	*	25.0	15.0	*	30.0	18.5	*
Carotid Endarterectomy	17	0.0	1.5	*	5.9	2.8	*	5.9	4.1	*
Hip Replacement/Reconstruction	48	4.2	4.3	*	6.3	8.2	*	8.3	10.9	*
Open Reduction of Hip Fracture	30	13.3	7.0	*	13.3	12.6	*	16.7	16.0	*
Prostatectomy	80	0.0	2.2	2.3	1.2	4.4	3.1	5.0	6.6	3.0
Cholecystectomy	40	0.0	3.2	*	2.5	5.9	*	5.0	7.9	*
Hysterectomy	14	0.0	0.7	*	0.0	1.2	*	7.1	1.7	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,531	9.6	9.9	0.6	15.2	15.2	0.8	19.2	19.3	0.8
CONDITIONS:										
Acute Myocardial Infarction	89	20.2	28.7	6.3	22.5	31.8	7.0	23.6	35.1	7.5
Congestive Heart Failure	93	14.0	18.1	7.3	24.7	26.9	6.6	32.3	34.0	8.6
Pneumonia/Influenza	105	15.2	16.2	3.7	21.0	22.5	4.4	25.7	27.2	4.5
Chronic Obstructive Pulmonary Disease	35	5.7	10.2	*	14.3	17.2	*	28.6	22.7	*
Transient Cerebral Ischemia	17	5.9	2.1	*	5.9	4.5	*	5.9	7.1	*
Stroke	82	18.3	18.9	4.6	20.7	25.7	6.9	24.4	30.1	8.7
Hip Fracture	60	0.0	7.1	5.5	6.7	12.5	6.6	11.7	16.0	5.9
Sepsis	47	21.3	26.0	*	27.7	34.3	*	27.7	40.1	*
PROCEDURES:										
Angioplasty	1	0.0	9.1	*	0.0	9.7	*	0.0	10.7	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	18.2	3.4	*	22.7	6.6	*	22.7	9.4	*
Carotid Endarterectomy	12	8.3	1.7	*	8.3	3.3	*	8.3	4.8	*
Hip Replacement/Reconstruction	48	0.0	3.1	*	2.1	5.8	*	6.3	7.7	*
Open Reduction of Hip Fracture	4	0.0	5.2	*	0.0	10.7	*	0.0	14.6	*
Prostatectomy	65	0.0	0.8	1.3	3.1	1.8	2.4	3.1	3.0	2.2
Cholecystectomy	39	2.6	2.4	*	2.6	4.1	*	5.1	5.4	*
Hysterectomy	8	0.0	0.2	*	12.5	0.5	*	12.5	0.7	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

179.1

Berkshire
Medical Center
BERKSHIRE HEALTH SYSTEMS

725 North Street
Pittsfield, MA 01201
(413) 447-2000

Hospital I.D. 220046
January 14, 1991

Comments on Medicare Hospital Mortality Study
Berkshire Medical Center

The FY 1989 data provided to Berkshire Medical Center has been reviewed. The rates calculated for patient mortality due to "all causes" fall within the predicted range. In fourteen of seventeen specific categories noted, mortality rates for the sample cases selected also fall within or well below the predicted mortality range.

For the three categories in which the samples taken of Berkshire Medical Center patients show a variation from the predicted mortality rates (Transient Cerebral Ischemia, Initial Pacemaker Insertion, and Hysterectomy), the number of cases in each sample is so small that statistical analysis of any type is unlikely to be valid. In HCFA's own words, "the precision and interpretability of our estimates are questionable when there are.....50 or fewer cases in a particular category being analyzed." For each of these categories above, the sample size is too small and no standard deviation can be calculated.

Nevertheless, the records of those patients in these categories who died have been examined, and their management is believed to have been appropriate. Of the nine cases, eight had advanced cardiovascular disease and the ninth had advanced cancer. The procedures or conditions cited were not the direct causes of any of those deaths.

Quality of patient care at Berkshire Medical Center is defined, assessed, and ensured through a three-fold approach. All clinical departments in conjunction with hospital-wide programs for Quality Assurance and Infection Control have ongoing systems to assess quality of outcome and process.

Departmental reviews include such quality mechanisms as facility assessment, staff evaluations, safety incidents, infection rate, patient satisfaction, and assessments of appropriateness of treatment. Specialized committees crossing departmental lines meet regularly to review patient care protocols and outcomes, including morbidity and mortality.

In addition, the Department of Quality Assurance, through a computerized data retrieval system, reviews and analyzes quality indicators on a hospital-wide basis, identifying problems and initiating corrective action when necessary. A third quality check at Berkshire Medical Center is the periodic inspection and review by external licensing and accrediting bodies for purposes of maintaining the hospital's professional standing.

These continual review mechanisms in place at Berkshire Medical Center are the most reliable assurances of the high quality of care provided.

BETH ISRAEL HOSPITAL

330 Brookline Ave
Boston, MA 02215

Medicare Provider Number: 220086

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,979	7.7	10.4	0.6	13.1	15.9	0.6	16.1	20.1	0.8
CONDITIONS:										
Acute Myocardial Infarction	145	20.0	28.4	5.6	26.2	33.0	5.8	29.7	36.8	5.4
Congestive Heart Failure	232	12.1	17.4	3.1	21.6	26.5	3.4	26.3	33.6	4.2
Pneumonia/Influenza	150	17.3	21.2	5.1	25.3	28.4	4.9	29.3	33.6	5.7
Chronic Obstructive Pulmonary Disease	25	0.0	8.2	*	4.0	14.5	*	8.0	19.8	*
Transient Cerebral Ischemia	26	0.0	2.3	*	0.0	5.0	*	0.0	8.0	*
Stroke	144	15.3	22.6	5.0	26.4	29.9	4.5	29.9	34.4	4.5
Hip Fracture	129	3.9	7.7	3.7	8.5	13.9	4.8	13.2	17.9	4.8
Sepsis	38	18.4	27.0	*	44.7	35.2	*	52.6	41.4	*
PROCEDURES:										
Angioplasty	75	1.3	3.0	2.4	4.0	3.8	2.3	5.3	4.8	2.5
Coronary Artery Bypass Graft	125	8.0	6.0	2.6	9.6	8.9	2.6	11.2	10.8	2.8
Initial Pacemaker Insertion	32	3.1	5.9	*	3.1	10.3	*	9.4	13.8	*
Carotid Endarterectomy	9	0.0	1.1	*	0.0	2.0	*	0.0	3.0	*
Hip Replacement/Reconstruction	65	4.6	5.0	2.7	7.7	9.6	4.0	13.8	13.0	4.2
Open Reduction of Hip Fracture	70	2.9	6.8	5.1	8.6	12.7	6.1	14.3	16.5	5.2
Prostatectomy	119	0.0	1.0	1.3	0.8	2.5	2.0	2.5	4.4	2.5
Cholecystectomy	45	2.2	4.9	*	8.9	8.5	*	11.1	10.9	*
Hysterectomy	35	2.9	0.9	*	2.9	1.9	*	5.7	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	511
Occupancy Rate	(Not Available)
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	1,077
Percent of Physicians Board Certified Specialists	85
Medical Residents/Interns	205
Registered Nurses	951
Licensed Practical Nurses	3

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

BETH ISRAEL HOSPITAL

Medicare Provider Number: 220086

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,853	8.6	10.8	0.5	13.9	16.4	0.6	17.5	20.7	0.7
CONDITIONS:										
Acute Myocardial Infarction	175	25.7	28.1	4.5	33.7	32.5	4.1	37.1	36.5	3.7
Congestive Heart Failure	181	10.5	19.9	3.7	16.0	29.7	4.6	21.0	37.2	5.1
Pneumonia/Influenza	146	23.3	20.2	4.7	29.5	27.2	4.3	32.2	32.2	3.9
Chronic Obstructive Pulmonary Disease	28	3.6	10.4	*	3.6	17.9	*	7.1	24.1	*
Transient Cerebral Ischemia	23	0.0	2.4	*	4.3	5.3	*	4.3	8.5	*
Stroke	135	20.0	22.1	4.4	26.7	29.5	4.6	32.6	34.3	4.5
Hip Fracture	126	7.9	7.8	2.6	12.7	14.0	3.9	17.5	17.8	3.4
Sepsis	21	19.0	32.5	*	23.8	39.2	*	28.6	45.1	*
PROCEDURES:										
Angioplasty	97	5.2	5.3	2.4	7.2	7.0	2.7	11.3	8.6	4.0
Coronary Artery Bypass Graft	120	3.3	7.3	3.0	9.2	10.5	3.2	10.0	12.3	3.2
Initial Pacemaker Insertion	21	4.8	9.0	*	14.3	15.2	*	28.6	19.8	*
Carotid Endarterectomy	8	0.0	1.5	*	0.0	3.0	*	0.0	4.4	*
Hip Replacement/Reconstruction	72	6.9	5.6	2.9	13.9	10.7	4.8	16.7	14.0	5.9
Open Reduction of Hip Fracture	58	6.9	7.1	3.4	12.1	13.4	4.5	19.0	17.5	5.1
Prostatectomy	128	0.8	1.2	1.0	1.6	2.8	2.0	3.1	4.7	2.8
Cholecystectomy	48	0.0	3.0	*	2.1	5.3	*	2.1	6.9	*
Hysterectomy	25	0.0	0.8	*	0.0	1.8	*	4.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,844	8.2	11.2	0.6	13.7	17.0	0.7	17.1	21.4	0.8
CONDITIONS:										
Acute Myocardial Infarction	188	17.6	29.3	5.3	24.5	33.7	4.7	27.7	37.5	4.9
Congestive Heart Failure	171	13.5	20.6	5.1	21.6	30.3	4.7	29.8	37.6	4.9
Pneumonia/Influenza	104	11.5	19.3	6.1	17.3	25.7	6.3	21.2	30.4	6.5
Chronic Obstructive Pulmonary Disease	25	12.0	11.9	*	16.0	20.0	*	24.0	26.6	*
Transient Cerebral Ischemia	21	0.0	2.5	*	0.0	5.4	*	0.0	8.5	*
Stroke	157	13.4	21.6	4.5	16.6	29.2	5.3	23.6	33.8	5.0
Hip Fracture	111	3.6	7.8	3.6	10.8	14.0	5.1	13.5	17.9	4.5
Sepsis	20	55.0	40.7	*	55.0	50.6	*	55.0	58.0	*
PROCEDURES:										
Angioplasty	75	2.7	4.6	2.6	5.3	5.9	2.8	8.0	7.2	3.4
Coronary Artery Bypass Graft	111	4.5	8.1	3.7	6.3	11.2	4.4	6.3	12.8	4.6
Initial Pacemaker Insertion	25	0.0	4.4	*	4.0	8.5	*	4.0	12.2	*
Carotid Endarterectomy	1	0.0	1.1	*	0.0	1.9	*	0.0	2.6	*
Hip Replacement/Reconstruction	41	2.4	6.8	*	14.6	12.6	*	19.5	16.3	*
Open Reduction of Hip Fracture	65	3.1	7.0	4.5	7.7	13.3	7.3	9.2	17.4	8.7
Prostatectomy	139	0.7	0.9	1.0	2.9	2.2	1.7	4.3	3.6	2.4
Cholecystectomy	46	2.2	5.9	*	2.2	10.0	*	2.2	12.5	*
Hysterectomy	23	0.0	0.6	*	4.3	1.3	*	4.3	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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BETH ISRAEL HOSPITAL
Boston, MA

Provider Number: 220086

The hospital's comments consisted primarily of annotations to the patient-specific information and/or the hospital characteristics generated by the Health Care Financing Administration and provided to the hospital. We did not publish this annotated information.

BEVERLY HOSPITAL

Herrick & Heather Sts
Beverly, MA 01915

Medicare Provider Number: 220033

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,696	10.6	9.3	0.9	16.3	14.5	1.2	20.2	18.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	69	26.1	25.9	5.3	30.4	29.6	5.6	31.9	33.0	5.8
Congestive Heart Failure	84	14.3	15.0	5.7	25.0	23.0	5.5	31.0	29.7	5.8
Pneumonia/Influenza	95	16.8	17.1	4.8	29.5	23.3	5.7	31.6	28.2	6.6
Chronic Obstructive Pulmonary Disease	15	13.3	7.2	*	20.0	12.2	*	20.0	16.5	*
Transient Cerebral Ischemia	27	0.0	2.1	*	3.7	4.6	*	3.7	7.4	*
Stroke	54	14.8	18.3	6.4	16.7	24.6	9.6	20.4	28.8	10.6
Hip Fracture	41	2.4	6.3	*	4.9	11.4	*	12.2	14.8	*
Sepsis	10	20.0	21.1	*	30.0	27.4	*	30.0	32.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	8.1	*	7.7	13.9	*	7.7	17.9	*
Carotid Endarterectomy	6	0.0	1.2	*	0.0	2.3	*	0.0	3.4	*
Hip Replacement/Reconstruction	20	0.0	3.7	*	5.0	6.7	*	10.0	8.7	*
Open Reduction of Hip Fracture	25	0.0	5.6	*	0.0	10.4	*	4.0	13.7	*
Prostatectomy	48	2.1	0.7	*	2.1	1.8	*	4.2	3.0	*
Cholecystectomy	22	4.5	2.5	*	4.5	4.0	*	4.5	5.0	*
Hysterectomy	8	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	234
Occupancy Rate	73
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	215
Percent of Physicians Board Certified Specialists	78
Medical Residents/Interns	0
Registered Nurses	282
Licensed Practical Nurses	31

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BEVERLY HOSPITAL

Medicare Provider Number: 220033

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,793	12.9	10.4	0.9	19.4	15.8	1.1	23.6	19.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	70	34.3	29.9	7.5	38.6	33.3	8.2	38.6	37.0	9.4
Congestive Heart Failure	91	20.9	19.2	4.2	31.9	29.2	5.0	37.4	36.7	5.4
Pneumonia/Influenza	103	25.2	17.8	6.0	32.0	23.9	6.7	37.9	28.7	7.3
Chronic Obstructive Pulmonary Disease	19	15.8	5.2	*	21.1	9.9	*	21.1	14.0	*
Transient Cerebral Ischemia	30	3.3	2.4	*	6.7	5.5	*	13.3	8.9	*
Stroke	78	23.1	24.1	5.5	35.9	30.7	7.4	41.0	35.3	7.8
Hip Fracture	56	5.4	7.5	4.0	12.5	13.8	4.7	19.6	17.7	5.7
Sepsis	19	31.6	21.5	*	47.4	30.5	*	47.4	36.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	2.3	*	12.5	4.5	*	12.5	6.9	*
Carotid Endarterectomy	6	16.7	1.9	*	16.7	3.7	*	16.7	5.6	*
Hip Replacement/Reconstruction	37	2.7	4.2	*	5.4	8.2	*	10.8	10.9	*
Open Reduction of Hip Fracture	24	4.2	6.5	*	16.7	12.6	*	16.7	16.6	*
Prostatectomy	58	1.7	2.2	2.8	5.2	4.8	3.7	8.6	7.5	4.1
Cholecystectomy	28	3.6	2.4	*	3.6	4.2	*	3.6	5.4	*
Hysterectomy	17	0.0	1.2	*	0.0	2.6	*	0.0	4.1	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,809	10.7	9.6	0.9	17.7	14.8	1.4	21.6	18.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	56	35.7	29.3	6.5	46.4	33.1	8.3	50.0	36.6	8.3
Congestive Heart Failure	79	12.7	16.6	5.7	26.6	24.9	5.5	29.1	31.7	6.9
Pneumonia/Influenza	92	23.9	17.6	7.1	32.6	23.6	6.7	32.6	28.3	7.9
Chronic Obstructive Pulmonary Disease	29	13.8	11.1	*	31.0	19.4	*	41.4	25.7	*
Transient Cerebral Ischemia	36	5.6	2.1	*	11.1	4.7	*	11.1	7.5	*
Stroke	78	29.5	23.7	6.9	33.3	30.9	5.6	39.7	35.5	6.5
Hip Fracture	60	8.3	7.1	4.0	13.3	12.8	4.9	16.7	16.5	4.8
Sepsis	13	15.4	23.3	*	23.1	30.9	*	30.8	37.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	1	0.0	28.2	*	0.0	43.3	*	0.0	47.9	*
Initial Pacemaker Insertion	10	0.0	4.4	*	10.0	8.1	*	10.0	11.2	*
Carotid Endarterectomy	3	0.0	1.3	*	33.3	2.5	*	33.3	3.8	*
Hip Replacement/Reconstruction	21	14.3	4.5	*	23.8	8.2	*	28.6	10.8	*
Open Reduction of Hip Fracture	37	5.4	6.5	*	10.8	12.5	*	13.5	16.5	*
Prostatectomy	59	0.0	1.0	1.5	1.7	2.4	2.2	3.4	4.0	2.8
Cholecystectomy	30	0.0	3.8	*	0.0	6.1	*	3.3	7.7	*
Hysterectomy	11	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BEVERLY HOSPITAL
More than a Hospital...a Family Centered Health Care System.
Herrick & Heather Streets • Beverly, MA 01915 • 508/922-3000

Medicare Provider No: 220033
January 8, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

COMMENTS ON HCFA MORTALITY DATA FY 1989

Thank you for the opportunity to review and evaluate the HCFA 1989 mortality data for Beverly Hospital. A review of the methodology used to prepare these data shows some major changes to previous years. Changes include the listing of one *random* admission, rather than the last admission during the year, mortality rates are presented in three time frames - 30, 90, and 180 days post admission, and the development of a mortality prediction rate which is determined using a standard deviation for demographics, comorbidities, admission type, admission source, diagnostic and procedure information. The information presented includes deaths during an admission, as well as deaths after discharge from the hospital. Although the new methodology was applied retrospectively to 1987 and 1988, this letter will primarily address the 1989 data, as the other two years have already been reviewed and published.

The 1989 data lists a total of 428 Medicare patients who expired in the 180 days following an admission to Beverly Hospital. The list included 172 patients who died during an admission and 256 who expired after discharge from the "randomly" selected admission. A review of the lists showed several errors, which have been submitted separately. After applying the formula suggested to compute the standard deviation and create a predicted range, all of the Beverly Hospital observed mortality rates fall into the predicted ranges for all diagnostic and procedure categories. It should be noted that changing the formulation and methodology each year makes the review of this data quite cumbersome. The dissemination of different information on the same topic each year may confuse the public, rather than educate them.

VHA. Member of Voluntary Hospitals of America, Inc.

It is important to recognize that all dimensions of the quality of care rendered at Beverly Hospital are objectively evaluated on an ongoing basis. Indicators are chosen and criteria are developed, approved and monitored on a concurrent and retrospective basis. Mortality review continues to be one of the key monthly indicators for all clinical departments. Our commitment to provide high quality care and to continually identify opportunities to improve care are the main objectives of the Board of Trustees, the Medical Staff, and the management of Beverly Hospital.

Beverly Hospital has been using MedisGroups, a nationally recognized system to measure admission severity of illness, since 1987. Patients are categorized retrospectively on a scale of 0-4 (4 being the most clinically unstable). The system allows hospitals to compare their information with a national database to identify areas of quality and areas for improvement. Clinical departments use this data at Beverly Hospital to develop indicators for review. An analysis of our FY 1989 Medicare experience shows, as expected, that the population that expired was, on average, older (78.6 vs. 73.5 years), sicker (2.39 admission severity vs. 1.49) and thus required more resources.

To summarize, Beverly Hospital continues to maintain a strong effort in the area of quality review and improvement. Peer review of all mortalities to ensure the delivery of appropriate and timely care remains an important part of our quality assurance program. Once again, we appreciate the opportunity to review and respond to HCFA mortality information. If there are any questions, please do not hesitate to contact me.

Very truly yours,

Robert R Fanning Jr

Robert R. Fanning, Jr.
President

RRF:cp

pc: Bryant Barnard, M.D.
Medical Staff President

BOSTON CITY HOSPITAL

818 Harrison Ave
Boston, MA 02118

Medicare Provider Number: 220104

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	836	9.8	9.7	1.0	16.7	14.8	1.8	20.9	18.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	16	18.8	17.7	*	31.3	21.3	*	31.3	24.8	*
Congestive Heart Failure	56	5.4	14.1	7.3	16.1	22.2	8.4	19.6	28.8	9.2
Pneumonia/Influenza	44	18.2	12.3	*	20.5	17.1	*	27.3	20.9	*
Chronic Obstructive Pulmonary Disease	17	0.0	5.3	*	5.9	9.7	*	5.9	13.6	*
Transient Cerebral Ischemia	9	0.0	1.4	*	0.0	3.2	*	0.0	5.1	*
Stroke	36	19.4	19.6	*	25.0	27.2	*	33.3	31.9	*
Hip Fracture	13	23.1	7.9	*	23.1	13.5	*	30.8	17.0	*
Sepsis	9	44.4	27.2	*	44.4	34.7	*	44.4	39.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	3.1	*	0.0	5.8	*	0.0	8.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	16.7	8.7	*	16.7	15.5	*	33.3	19.6	*
Open Reduction of Hip Fracture	7	14.3	7.3	*	14.3	13.1	*	28.6	16.7	*
Prostatectomy	28	0.0	1.3	*	0.0	3.2	*	0.0	5.6	*
Cholecystectomy	8	12.5	6.0	*	12.5	9.8	*	12.5	12.2	*
Hysterectomy	6	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	362
Occupancy Rate	78
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	532
Percent of Physicians Board Certified Specialists	78
Medical Residents/Interns	232
Registered Nurses	600
Licensed Practical Nurses	74

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

BOSTON CITY HOSPITAL

Medicare Provider Number: 220104

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	964	8.2	9.7	1.3	13.6	14.7	1.4	16.8	18.6	1.6
CONDITIONS:										
Acute Myocardial Infarction	27	29.6	23.5	*	37.0	27.2	*	37.0	31.0	*
Congestive Heart Failure	53	7.5	15.3	7.2	15.1	23.1	7.1	28.3	29.7	6.3
Pneumonia/Influenza	33	21.2	13.8	*	21.2	19.0	*	24.2	23.1	*
Chronic Obstructive Pulmonary Disease	15	6.7	9.5	*	6.7	16.6	*	6.7	22.5	*
Transient Cerebral Ischemia	3	0.0	2.3	*	0.0	5.2	*	0.0	8.3	*
Stroke	24	16.7	18.2	*	20.8	24.5	*	29.2	28.7	*
Hip Fracture	28	7.1	7.4	*	10.7	12.8	*	10.7	16.2	*
Sepsis	7	57.1	36.9	*	57.1	42.5	*	71.4	48.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	4.6	*	0.0	8.5	*	0.0	11.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	4.9	*	0.0	8.6	*	0.0	11.0	*
Open Reduction of Hip Fracture	18	11.1	6.1	*	11.1	11.0	*	11.1	14.1	*
Prostatectomy	31	3.2	0.9	*	6.5	2.2	*	6.5	3.7	*
Cholecystectomy	3	0.0	11.1	*	0.0	17.9	*	0.0	21.8	*
Hysterectomy	2	50.0	2.8	*	50.0	6.5	*	50.0	10.6	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,063	9.0	10.3	1.1	15.0	15.6	1.2	19.4	19.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	30	23.3	25.2	*	26.7	29.2	*	36.7	32.7	*
Congestive Heart Failure	65	9.2	15.1	6.1	15.4	22.5	8.1	20.0	28.8	8.3
Pneumonia/Influenza	40	7.5	12.8	*	12.5	17.8	*	20.0	21.6	*
Chronic Obstructive Pulmonary Disease	23	0.0	9.4	*	8.7	15.1	*	8.7	19.6	*
Transient Cerebral Ischemia	9	0.0	1.9	*	11.1	4.0	*	11.1	6.4	*
Stroke	33	30.3	27.2	*	51.5	34.0	*	51.5	38.4	*
Hip Fracture	23	8.7	8.3	*	21.7	14.1	*	26.1	17.7	*
Sepsis	5	0.0	31.0	*	20.0	39.4	*	40.0	45.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	5.9	*	0.0	11.8	*	0.0	16.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	22.2	4.6	*	44.4	8.9	*	44.4	12.2	*
Open Reduction of Hip Fracture	11	0.0	8.5	*	9.1	14.5	*	18.2	18.0	*
Prostatectomy	15	6.7	0.9	*	6.7	2.1	*	6.7	3.4	*
Cholecystectomy	15	6.7	4.7	*	13.3	8.8	*	13.3	11.6	*
Hysterectomy	4	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

185.1

AM-0106

CITY OF BOSTON
DEPARTMENT OF HEALTH AND HOSPITALS

ID: 220104

818 HARRISON AVENUE
BOSTON, MASSACHUSETTS 02118

1864

Tel. No. (617) 534-7142

January 14, 1991

Health Care Financing Administration
Health Standards & Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Bld.
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We are in receipt of your report on our mortality rate for Medicare patients during the period 10/1/88-9/30/89. We offer the following comments.

We greatly appreciate being able to review this kind of data, because it gives us another opportunity to evaluate our care. Cases identified for review come from many sources, and your report is an important identifier of such opportunities.

Unfortunately the review is made more complex by several factors. First, for numerous cases the admission to Boston City Hospital has no relationship to the diagnosis under which the patient is classified in the Medicare data set. Second, the number of cases in the sample is too small for analysis of statistical significance and the findings, therefore, are difficult to interpret (see Appendix). Third, these patients are usually very complicated, because this is a tertiary care teaching hospital in the inner city. Consequently retrospective review a year later is labor intensive.

We have investigated the cases falling outside the predicted range despite the lack of sufficient sample size to evaluate the statistical significance of the deviation of actual mortality rates from those predicted by the model. We reviewed the records in detail and these are our findings.

1) Roughly one quarter died at home or in Nursing Homes of causes totally unrelated to the reason which brought them to BCH.

2) At least two patients were admitted in severe shock to BCH and died shortly after admission.

LONG ISLAND
CHRONIC DISEASE HOSPITAL
BOSTON HARBOR, MASSACHUSETTS 02169

DIVISION OF PUBLIC HEALTH
1010 MASSACHUSETTS AVENUE
BOSTON, MASSACHUSETTS 02118

MATTAPAN CHRONIC DISEASE HOSPITAL
249 RIVER STREET
MATTAPAN, MASSACHUSETTS 02126

3) One patient was a 93 year old with a known thoracoabdominal aneurysm in whom the decision was made not to operate for repair because of the patient's poor risk. He subsequently ruptured this aneurysm and died.

4) One young patient was a terminal AIDS patient.

5) Two patients had formal Do Not Resuscitate orders and review of their records confirms the appropriate application of that policy.

6) One patient was a 47 year old homeless person who discharged himself from the hospital without physician agreement. He subsequently returned following severe injury and died as a result of the trauma.

7) One patient, an 83 year old person requiring Orthopedic Surgery to the hip following a fracture, died of a classic lethal complication, fat embolism. This is generally unpredictable, and unpreventable.

8) One patient had been seen 1 month before at a VA hospital with a broken humerus, and failed to return for surgical management. He remained bedridden at home and was eventually admitted to BCH in critical condition with septic decubiti, pneumonia, and severe ARDS.

In summary, after an intense review by our clinical staff, we are pleased to report that in no case did we find evidence of substandard care. However, the review did identify some areas where our Medical Record keeping needed improvement. We have made the necessary changes to ensure a more efficient process next time.

We look forward to receiving your next report.

Sincerely,

Michael Eliastam

Michael Eliastam, MD,MPP
Medical Director
Boston City Hospital

ME/bjd

BRIGHAM AND WOMANS HOSPITAL

75 Francis St
Boston, MA 02115

Medicare Provider Number: 220110

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,267	5.3	6.2	0.6	8.6	10.0	0.7	11.4	12.9	0.8
CONDITIONS:										
Acute Myocardial Infarction	32	21.9	27.5	*	25.0	31.1	*	28.1	34.4	*
Congestive Heart Failure	79	11.4	14.7	4.8	25.3	23.0	5.0	32.9	29.7	6.7
Pneumonia/Influenza	59	18.6	17.2	5.1	23.7	23.6	5.7	30.5	28.3	7.3
Chronic Obstructive Pulmonary Disease	19	15.8	8.6	*	15.8	14.2	*	21.1	18.8	*
Transient Cerebral Ischemia	10	0.0	1.7	*	0.0	3.7	*	0.0	5.8	*
Stroke	62	14.5	20.0	6.9	21.0	26.6	8.7	22.6	31.0	9.9
Hip Fracture	46	8.7	7.2	*	10.9	12.7	*	10.9	16.4	*
Sepsis	12	41.7	23.9	*	50.0	31.2	*	50.0	37.0	*
PROCEDURES:										
Angioplasty	37	0.0	2.2	*	0.0	2.9	*	2.7	3.8	*
Coronary Artery Bypass Graft	182	5.5	4.8	1.7	6.6	7.1	2.0	7.7	8.6	2.2
Initial Pacemaker Insertion	7	0.0	1.8	*	0.0	3.4	*	0.0	4.9	*
Carotid Endarterectomy	26	0.0	1.2	*	3.8	2.3	*	3.8	3.3	*
Hip Replacement/Reconstruction	157	2.5	1.6	1.1	2.5	2.8	1.4	2.5	3.8	1.9
Open Reduction of Hip Fracture	17	5.9	6.8	*	5.9	12.8	*	5.9	16.8	*
Prostatectomy	67	0.0	0.7	*	0.0	1.7	*	0.0	3.1	*
Cholecystectomy	32	0.0	3.1	*	0.0	5.8	*	9.4	7.9	*
Hysterectomy	59	5.1	0.8	2.1	6.8	1.6	2.8	6.8	2.5	3.4

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	720
Occupancy Rate	87
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	996
Percent of Physicians Board Certified Specialists	30
Medical Residents/Interns	390
Registered Nurses	1,015
Licensed Practical Nurses	44

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

BRIGHAM AND WOMANS HOSPITAL

Medicare Provider Number: 220110

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,600	5.0	6.6	0.6	8.7	10.4	0.7	11.4	13.4	0.8
CONDITIONS:										
Acute Myocardial Infarction	58	17.2	30.6	7.8	20.7	34.3	8.5	20.7	38.2	9.3
Congestive Heart Failure	101	8.9	16.9	7.3	21.8	26.3	9.0	28.7	33.9	6.2
Pneumonia/Influenza	74	17.6	17.9	4.8	23.0	24.2	5.6	25.7	29.0	7.7
Chronic Obstructive Pulmonary Disease	17	5.9	7.2	*	5.9	12.2	*	11.8	16.6	*
Transient Cerebral Ischemia	14	0.0	1.7	*	0.0	3.7	*	0.0	5.7	*
Stroke	70	7.1	19.4	6.9	17.1	25.0	7.6	18.6	29.2	7.0
Hip Fracture	62	1.6	7.2	7.7	9.7	12.8	9.6	17.7	16.3	9.2
Sepsis	11	36.4	30.7	*	54.5	38.3	*	54.5	43.8	*
PROCEDURES:										
Angioplasty	46	6.5	3.5	*	8.7	4.3	*	8.7	5.3	*
Coronary Artery Bypass Graft	198	6.6	7.1	2.3	8.6	10.5	3.1	9.1	12.4	3.8
Initial Pacemaker Insertion	7	0.0	1.2	*	0.0	2.4	*	0.0	3.4	*
Carotid Endarterectomy	22	4.5	2.0	*	4.5	4.1	*	4.5	6.2	*
Hip Replacement/Reconstruction	170	0.0	1.5	1.3	1.2	2.8	1.6	3.5	3.8	1.5
Open Reduction of Hip Fracture	27	0.0	7.7	*	7.4	13.9	*	11.1	17.8	*
Prostatectomy	57	1.8	0.9	2.7	7.0	2.2	3.6	8.8	3.8	4.5
Cholecystectomy	40	0.0	2.8	*	0.0	5.1	*	0.0	6.7	*
Hysterectomy	78	0.0	0.7	1.2	1.3	1.6	1.5	1.3	2.6	2.1

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,109	5.0	6.7	0.5	8.6	10.4	0.6	11.1	13.4	0.6
CONDITIONS:										
Acute Myocardial Infarction	47	12.8	28.9	*	17.0	32.1	*	23.4	35.5	*
Congestive Heart Failure	78	10.3	16.6	7.8	19.2	25.1	9.4	24.4	32.1	9.9
Pneumonia/Influenza	63	12.7	17.4	8.5	19.0	23.5	7.1	25.4	28.3	6.2
Chronic Obstructive Pulmonary Disease	13	7.7	11.0	*	15.4	18.3	*	38.5	23.7	*
Transient Cerebral Ischemia	12	0.0	2.0	*	0.0	4.3	*	0.0	6.5	*
Stroke	55	12.7	24.0	9.5	18.2	29.8	10.6	21.8	34.0	10.2
Hip Fracture	55	0.0	7.1	7.4	5.5	12.4	7.2	5.5	15.8	9.5
Sepsis	14	42.9	34.3	*	50.0	45.6	*	50.0	52.2	*
PROCEDURES:										
Angioplasty	28	7.1	5.8	*	7.1	6.9	*	10.7	8.0	*
Coronary Artery Bypass Graft	159	9.4	6.8	3.0	10.7	9.9	2.5	11.9	11.5	2.6
Initial Pacemaker Insertion	17	0.0	3.9	*	0.0	7.2	*	0.0	10.5	*
Carotid Endarterectomy	22	0.0	1.7	*	4.5	3.3	*	9.1	4.8	*
Hip Replacement/Reconstruction	164	0.0	1.5	1.7	0.0	2.9	2.9	0.6	4.0	3.1
Open Reduction of Hip Fracture	23	0.0	6.4	*	13.0	11.6	*	13.0	14.9	*
Prostatectomy	53	0.0	0.9	1.5	1.9	2.3	2.1	3.8	3.9	2.9
Cholecystectomy	38	0.0	2.9	*	0.0	5.2	*	0.0	6.9	*
Hysterectomy	49	2.0	0.8	*	4.1	1.9	*	4.1	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BRIGHAM
AND
WOMEN'S
HOSPITAL

H. Richard Nesson, M.D.
President

75 Francis Street
Boston, Massachusetts 02115
(617) 732-5503

January 9, 1991

Gail R. Wilensky, Ph.D.
Administrator
Health Care Financing Administration
6325 Security Boulevard
Baltimore, MD 21207

Dear Dr. Wilensky:

Brigham and Women's Hospital (BWH) appreciates the opportunity to comment on the Medicare mortality data released by the Health Care Financing Administration (HCFA). We believe that the availability of data on hospital mortality experiences can be an important first step in determining how quality of care should best be measured.

We were pleased to learn that the observed mortality rates for all causes for BWH were significantly below the predicted rates for all time periods for all years. Given that the BWH Medicare case-mix index was the highest in Massachusetts and the thirty-fourth highest nationwide in FY89, we believe that this testifies to the quality of the medical care we provide. In the release of the data this year, HCFA compares observed mortality rates to predicted mortality rates and their standard deviations. In the past, HCFA has suggested that consumers of this information use a 95% confidence interval to determine relationships of statistical significance. Using this standard, BWH was below the predicted upper limits in all disease categories for all years.

In FY89, BWH was close to the 95% confidence interval upper limit for hysterectomy patients. An internal review has been completed on the four patients undergoing hysterectomies who died during FY89 who were cited in the HCFA report. All of these patients had difficult underlying medical conditions which were not fully reflected in the HCFA mortality prediction model. Their deaths reflect the age, complexity, and comorbidities of patients referred to BWH. For all of the other years, BWH hysterectomy mortalities were well below the 95% confidence interval upper limit.

VE RI TAS

A Teaching Affiliate of Harvard Medical School

It should be emphasized that the release of the HCFA mortality data augments existing quality assurance activities at BWH. As part of our own on-going commitment to ensuring the quality of patient care, we routinely review every death that occurs within our hospital. These data are used in conjunction with other indices to guide departmental peer reviews and the resulting corrective actions taken. Such findings and actions are reported on a regular basis, and monitored by the Clinical Chiefs of Staff, Medical Staff Quality Assurance Committee, Medical Staff Executive Committee, and Patient Care Assessment Committee of the Hospital Board of Trustees. In addition, we are conducting an active internal research program to develop more sensitive standards of outcome than mortality rates.

Sincerely,

H. Richard Nesson

H. Richard Nesson, M.D.

HRN/mle

BROCKTON HOSPITAL

680 Center Street
Brockton, MA 02402

Medicare Provider Number: 220052

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,168	9.8	10.1	0.8	16.3	15.6	1.0	20.3	19.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	79	29.1	23.9	8.4	34.2	27.4	9.0	36.7	30.8	9.8
Congestive Heart Failure	95	13.7	18.0	5.5	23.2	27.9	5.7	36.8	35.5	5.4
Pneumonia/Influenza	146	16.4	16.7	4.1	24.0	22.8	3.7	25.3	27.4	4.0
Chronic Obstructive Pulmonary Disease	52	7.7	7.7	3.7	11.5	14.2	5.5	13.5	20.0	8.0
Transient Cerebral Ischemia	43	2.3	1.9	*	4.7	4.1	*	9.3	6.5	*
Stroke	77	11.7	20.9	7.3	23.4	27.8	7.2	26.0	32.2	6.7
Hip Fracture	57	7.0	6.6	3.8	10.5	11.9	4.5	15.8	15.4	4.9
Sepsis	14	21.4	28.4	*	21.4	38.9	*	28.6	44.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	5.7	*	14.3	12.3	*	28.6	18.2	*
Carotid Endarterectomy	3	0.0	1.3	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction	32	6.3	3.4	*	6.3	6.6	*	9.4	8.8	*
Open Reduction of Hip Fracture	36	5.6	6.1	*	11.1	11.3	*	19.4	14.7	*
Prostatectomy	80	1.2	1.1	1.4	3.8	2.8	2.7	7.5	4.7	4.1
Cholecystectomy	33	0.0	3.7	*	6.1	7.2	*	9.1	9.7	*
Hysterectomy	18	0.0	1.4	*	5.6	2.4	*	11.1	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	301
Occupancy Rate	79
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	152
Percent of Physicians Board Certified Specialists	84
Medical Residents/Interns	1
Registered Nurses	257
Licensed Practical Nurses	20

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BROCKTON HOSPITAL

Medicare Provider Number: 220052

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,270	9.7	11.0	1.0	16.1	17.0	1.0	20.4	21.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	78	29.5	27.2	5.6	34.6	32.1	5.9	37.2	36.1	5.6
Congestive Heart Failure	124	16.9	17.3	4.0	24.2	26.6	5.1	33.1	34.1	5.1
Pneumonia/Influenza	170	14.7	18.5	4.9	22.9	24.9	4.9	28.2	29.7	4.2
Chronic Obstructive Pulmonary Disease	35	2.9	8.2	*	8.6	14.3	*	8.6	19.6	*
Transient Cerebral Ischemia	38	0.0	2.3	*	2.6	5.2	*	5.3	8.2	*
Stroke	70	21.4	21.8	5.2	30.0	29.1	5.5	31.4	33.8	6.1
Hip Fracture	62	4.8	6.8	4.5	8.1	12.3	5.1	14.5	15.8	4.8
Sepsis	18	50.0	31.1	*	55.6	39.2	*	55.6	45.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	2.3	*	0.0	4.7	*	0.0	7.4	*
Carotid Endarterectomy	2	0.0	1.8	*	0.0	4.0	*	0.0	6.0	*
Hip Replacement/Reconstruction	33	6.1	4.6	*	6.1	7.7	*	6.1	9.9	*
Open Reduction of Hip Fracture	31	3.2	6.8	*	9.7	12.8	*	22.6	16.7	*
Prostatectomy	60	0.0	1.3	3.2	6.7	3.2	3.4	13.3	5.2	5.3
Cholecystectomy	23	4.3	3.1	*	4.3	5.2	*	4.3	6.5	*
Hysterectomy	7	0.0	2.1	*	0.0	4.3	*	0.0	6.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,111	9.8	11.0	1.1	15.9	17.0	1.4	20.3	21.5	1.4
CONDITIONS:										
Acute Myocardial Infarction	83	25.3	26.1	5.4	30.1	29.9	5.7	32.5	33.4	5.2
Congestive Heart Failure	135	17.8	17.7	3.3	25.2	26.6	4.9	31.9	33.6	5.1
Pneumonia/Influenza	123	13.8	16.3	5.7	18.7	21.9	6.1	23.6	26.5	5.7
Chronic Obstructive Pulmonary Disease	20	15.0	9.1	*	20.0	15.3	*	20.0	20.2	*
Transient Cerebral Ischemia	37	0.0	2.4	*	2.7	5.1	*	2.7	7.9	*
Stroke	74	13.5	24.1	6.7	23.0	31.6	6.5	31.1	36.2	6.2
Hip Fracture	50	4.0	7.7	*	4.0	14.2	*	4.0	18.3	*
Sepsis	20	25.0	27.5	*	35.0	36.4	*	45.0	42.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	0.0	6.0	*	5.9	10.7	*	11.8	14.4	*
Carotid Endarterectomy	2	0.0	1.6	*	0.0	3.2	*	0.0	4.7	*
Hip Replacement/Reconstruction	37	5.4	4.6	*	8.1	9.0	*	8.1	12.0	*
Open Reduction of Hip Fracture	28	3.6	6.4	*	3.6	12.3	*	3.6	16.1	*
Prostatectomy	47	2.1	2.5	*	4.3	5.2	*	6.4	8.1	*
Cholecystectomy	28	7.1	3.0	*	7.1	5.4	*	10.7	6.9	*
Hysterectomy	23	0.0	1.5	*	0.0	3.0	*	0.0	4.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

BURBANK HOSPITAL

Nichols Rd
Fitchburg, MA 01420

Medicare Provider Number: 220001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,449	9.7	8.2	1.1	15.5	12.9	1.5	18.2	16.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	52	42.3	28.0	9.3	48.1	31.8	10.1	51.9	35.7	10.5
Congestive Heart Failure	58	15.5	15.5	4.9	29.3	24.3	6.6	31.0	31.2	6.1
Pneumonia/Influenza	54	27.8	15.8	9.3	33.3	21.4	10.4	33.3	25.9	10.3
Chronic Obstructive Pulmonary Disease	22	0.0	7.9	*	4.5	14.8	*	13.6	20.9	*
Transient Cerebral Ischemia	27	7.4	2.0	*	7.4	4.5	*	7.4	7.4	*
Stroke	46	26.1	22.0	*	34.8	29.3	*	34.8	33.9	*
Hip Fracture	36	5.6	5.6	*	5.6	10.2	*	5.6	13.6	*
Sepsis	9	22.2	27.3	*	33.3	38.6	*	33.3	45.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.0	*	10.0	4.1	*	10.0	6.2	*
Carotid Endarterectomy	4	0.0	1.0	*	0.0	1.7	*	0.0	2.5	*
Hip Replacement/Reconstruction	26	0.0	2.9	*	0.0	5.6	*	0.0	7.7	*
Open Reduction of Hip Fracture	15	6.7	5.3	*	6.7	10.0	*	6.7	13.3	*
Prostatectomy	30	3.3	0.5	*	3.3	1.3	*	6.7	2.2	*
Cholecystectomy	23	4.3	2.2	*	4.3	3.7	*	4.3	4.7	*
Hysterectomy	17	0.0	0.6	*	0.0	1.4	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	221
Occupancy Rate	58
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	111
Percent of Physicians Board Certified Specialists	81
Medical Residents/Interns	0
Registered Nurses	140
Licensed Practical Nurses	33

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

BURBANK HOSPITAL

Medicare Provider Number: 220001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,554	9.6	8.7	0.9	15.3	13.5	1.3	18.8	17.3	1.6
CONDITIONS:										
Acute Myocardial Infarction	66	22.7	26.6	7.9	24.2	30.4	9.6	24.2	34.4	12.3
Congestive Heart Failure	93	16.1	15.9	4.2	26.9	24.6	6.0	33.3	31.6	5.3
Pneumonia/Influenza	57	15.8	14.2	5.1	17.5	19.1	5.4	21.1	23.0	6.1
Chronic Obstructive Pulmonary Disease	19	26.3	5.1	*	26.3	9.8	*	31.6	14.1	*
Transient Cerebral Ischemia	27	0.0	2.0	*	0.0	4.3	*	3.7	6.7	*
Stroke	54	18.5	18.7	5.3	31.5	26.2	6.5	44.4	30.8	8.9
Hip Fracture	36	2.8	6.0	*	19.4	11.3	*	19.4	14.9	*
Sepsis	21	23.8	25.4	*	28.6	32.1	*	33.3	38.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	5.6	*	0.0	7.7	*	0.0	9.9	*
Carotid Endarterectomy	7	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	24	0.0	3.6	*	12.5	7.1	*	12.5	9.5	*
Open Reduction of Hip Fracture	16	6.3	6.2	*	25.0	12.3	*	25.0	16.6	*
Prostatectomy	41	0.0	0.7	*	0.0	1.9	*	0.0	3.3	*
Cholecystectomy	29	3.4	5.4	*	3.4	9.4	*	3.4	12.2	*
Hysterectomy	10	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,436	9.0	8.6	1.3	14.6	13.5	1.0	18.5	17.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	60	28.3	28.7	5.9	35.0	32.9	6.2	40.0	36.8	6.4
Congestive Heart Failure	62	14.5	16.9	5.5	21.0	25.5	8.8	27.4	32.4	10.3
Pneumonia/Influenza	65	18.5	17.4	6.5	24.6	23.8	5.4	26.2	28.8	6.2
Chronic Obstructive Pulmonary Disease	24	12.5	8.0	*	12.5	13.8	*	25.0	18.7	*
Transient Cerebral Ischemia	17	5.9	2.4	*	5.9	5.3	*	17.6	8.6	*
Stroke	51	23.5	19.7	5.9	29.4	27.6	6.4	33.3	32.5	6.6
Hip Fracture	31	6.5	5.7	*	6.5	10.5	*	6.5	13.9	*
Sepsis	11	27.3	23.2	*	27.3	33.5	*	36.4	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	2.4	*	10.0	4.9	*	10.0	7.2	*
Carotid Endarterectomy	2	0.0	1.2	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction	19	0.0	2.6	*	0.0	5.1	*	0.0	7.0	*
Open Reduction of Hip Fracture	20	10.0	5.5	*	10.0	10.8	*	10.0	14.4	*
Prostatectomy	24	4.2	0.7	*	4.2	1.7	*	4.2	2.8	*
Cholecystectomy	28	0.0	4.0	*	3.6	6.3	*	3.6	8.1	*
Hysterectomy	15	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BH Burbank Hospital
The Picture of Health at 100.

January 8, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-d-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland, 21207

Medicare Provider Number 220001

Dear Mrs. Kappert:

The following comments are submitted in response to HCFA's FY 1989 Medicare Hospital Mortality Information on Burbank Hospital.

HCFA's continuing efforts to improve the accuracy and usefulness of its mortality reports is appreciated. Although a recent study of hospital mortality rates published in the Journal of the American Medical Association found that differences in mortality could not be explained by differences in the process of care, mortality rates remain a good initial screening mechanism.

As in the past, Burbank Hospital officials carefully reviewed the data and are pleased to note no statistically significant differences in mortality rates in any of the categories. These results corroborate positive findings from the Hospital's own comprehensive quality assurance program. Nevertheless, all deaths were reviewed in any category with a mortality rate above the norm even when there was only 1 death in that category. By using a system which adjusts for severity of illness at admission and compares these outcomes to a national data base, we found that in most instances, an increase in mortality coincided with an increase in severity of illness at admission.

It should be noted that Burbank Hospital serves as a regional referral center for oncology, gerontology, dialysis and emergency medicine patients. These patients may well be more severally ill at admission.

275 Nichols Road
Fitchburg, Massachusetts 01420-8209
508-343-5000

VHA® Member of Voluntary Hospitals of America, Inc

The following corrections to the Hospital characteristics printed by HCFA should also be noted:

- In 1989, the total number of physicians on active staff was 95 with 89.5% board certified specialists.

- There were 183.56 Registered Nurse full time equivalents and 42.6 Licensed Practical Nurse full time equivalents.

- There are 6 Family Practice Residents.

Sincerely yours,

BURBANK HOSPITAL

William J. Williams
President

CAPE COD HOSPITAL

27 Park St
Hyannis, MA 02601

Medicare Provider Number: 220012

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,813	9.3	9.4	0.5	14.9	14.2	0.8	18.1	18.1	0.9
CONDITIONS:										
Acute Myocardial Infarction	157	24.2	25.0	4.1	29.9	28.3	5.3	30.6	31.7	4.1
Congestive Heart Failure	251	15.5	16.7	2.6	25.5	25.3	2.8	32.7	32.1	3.2
Pneumonia/Influenza	137	11.7	16.4	5.8	20.4	22.0	5.3	22.6	26.5	5.5
Chronic Obstructive Pulmonary Disease	30	16.7	9.5	*	16.7	15.9	*	20.0	21.6	*
Transient Cerebral Ischemia	42	0.0	2.4	*	4.8	5.6	*	9.5	9.0	*
Stroke	180	22.8	23.1	3.4	31.1	30.0	3.6	38.3	34.4	4.9
Hip Fracture	146	5.5	6.4	3.4	10.3	11.7	4.5	13.7	15.2	3.7
Sepsis	19	31.6	23.0	*	57.9	29.7	*	63.2	35.1	*
PROCEDURES:										
Angioplasty	1	0.0	2.1	*	0.0	4.3	*	100.0	6.6	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	38	13.2	5.0	*	13.2	9.4	*	15.8	13.2	*
Carotid Endarterectomy	1	0.0	2.4	*	0.0	5.1	*	0.0	7.0	*
Hip Replacement/Reconstruction	74	2.7	4.4	2.8	6.8	8.4	3.7	10.8	11.2	3.8
Open Reduction of Hip Fracture	83	6.0	5.9	3.3	10.8	11.2	4.3	13.3	14.8	4.6
Prostatectomy	171	0.0	0.7	0.9	1.8	1.8	1.0	2.3	3.0	1.4
Cholecystectomy	73	4.1	4.2	2.5	9.6	7.9	3.2	15.1	10.4	4.8
Hysterectomy	39	0.0	0.7	*	0.0	1.5	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	258
Occupancy Rate	83
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	127
Percent of Physicians Board Certified Specialists	83
Medical Residents/Interns	0
Registered Nurses	225
Licensed Practical Nurses	35

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

CAPE COD HOSPITAL

Medicare Provider Number: 220012

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,091	9.7	10.1	0.8	15.2	15.0	1.0	18.4	18.9	0.8
CONDITIONS:										
Acute Myocardial Infarction	205	16.6	23.8	4.4	20.0	27.3	4.6	22.9	30.8	4.8
Congestive Heart Failure	261	16.1	18.2	2.8	24.9	27.3	4.3	30.7	34.6	5.0
Pneumonia/Influenza	106	17.9	17.3	3.9	26.4	23.1	6.7	29.2	27.7	7.4
Chronic Obstructive Pulmonary Disease	25	12.0	8.0	*	20.0	14.0	*	20.0	19.4	*
Transient Cerebral Ischemia	50	4.0	2.3	*	6.0	4.9	*	8.0	7.8	*
Stroke	204	22.5	24.5	3.5	31.9	31.5	3.3	34.8	36.0	3.5
Hip Fracture	136	8.8	6.7	4.4	18.4	12.2	5.5	19.9	15.6	5.0
Sepsis	35	25.7	25.7	*	31.4	33.6	*	37.1	39.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	40	7.5	5.7	*	12.5	8.6	*	17.5	11.5	*
Carotid Endarterectomy	9	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	71	5.6	3.8	2.7	7.0	7.1	3.1	8.5	9.3	3.8
Open Reduction of Hip Fracture	79	7.6	6.2	5.3	19.0	11.7	6.6	19.0	15.3	6.6
Prostatectomy	185	0.0	0.9	1.1	1.6	2.1	1.1	3.8	3.3	1.4
Cholecystectomy	82	2.4	3.7	2.3	4.9	6.3	3.1	6.1	8.0	3.6
Hysterectomy	37	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,007	10.3	10.5	0.6	15.0	15.4	0.6	18.4	19.3	0.7
CONDITIONS:										
Acute Myocardial Infarction	200	28.0	28.6	3.6	31.5	32.1	3.4	33.0	35.5	4.2
Congestive Heart Failure	210	11.9	19.2	3.6	24.8	28.2	4.6	31.4	35.4	3.4
Pneumonia/Influenza	120	20.8	18.3	4.9	25.0	24.2	4.6	28.3	28.8	4.2
Chronic Obstructive Pulmonary Disease	42	9.5	11.4	*	14.3	18.5	*	16.7	23.9	*
Transient Cerebral Ischemia	56	3.6	2.5	3.5	7.1	5.5	4.7	10.7	8.7	4.8
Stroke	201	31.3	26.0	4.3	37.3	33.4	4.1	39.3	38.1	3.6
Hip Fracture	150	6.0	7.5	3.6	11.3	13.6	5.2	13.3	17.5	6.5
Sepsis	38	15.8	22.9	*	18.4	30.5	*	21.1	36.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	50	6.0	3.5	*	10.0	6.7	*	12.0	9.5	*
Carotid Endarterectomy	4	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	72	4.2	5.4	4.1	9.7	10.3	4.4	13.9	13.7	4.4
Open Reduction of Hip Fracture	74	5.4	6.8	4.1	10.8	13.0	6.7	10.8	17.0	7.7
Prostatectomy	205	0.5	0.9	0.9	2.0	2.2	1.4	4.9	3.7	2.0
Cholecystectomy	91	3.3	2.6	1.8	4.4	4.7	2.2	4.4	6.2	3.0
Hysterectomy	32	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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CAPE COD HOSPITAL

P.O. Box 640 27 Park Street Hyannis, MA 02601
(508) 771-1800 FAX: (508) 790-1122

Herbert O. Mathewson, M.D.
Medical Director

January 9, 1991

Health Care Financing Administration
Health Standards and Quality Review
6325 Security Boulevard
2-D-2 Meadows East Bldg.
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We have reviewed the FY 1989-1987 Medicare Hospital Mortality rates for our hospital which indicate that our observed mortality rates for the studied diagnoses are all within predicted ranges. We are pleased that as the methodologies of calculation keep changing we still do remain within predicted ranges.

You supply "number of cases reviewed" and "mortality rate". For verification of data purposes it would be very helpful if you could also supply the "total number of deaths" for each condition or procedure. That number is obtainable by hand tallying your detailed list but it is tedious and fraught with opportunity for errors.

Please correct the following errors in your table of hospital characteristics for our hospital:

Cardiac Intensive Care	YES
Comprehensive Geriatric	NO
Trauma	NO

Your 1989 data indicates one death under angioplasty (cardiac) which we do not do. Review of our record revealed a coding error on our part which identified a peripheral angioplasty as a cardiac angioplasty. That was corrected.

Our hospital has participated in a 100% review of cardiac pacemaker necessity conducted by MASSPRO and all cases were deemed appropriate. We are currently conducting 100% review of carotid endarterectomy procedures at our hospital for medical necessity and complications.

The 1989 Medicare Mortality Statistics do not indicate any need for additional special studies at Cape Cod Hospital.

Sincerely yours,

Herbert O. Mathewson MD

Herbert O. Mathewson, M.D.
Medical Director

HOM/jm

CARDINAL CUSHING GENERAL HOSPITAL

235 N Pearl St
Brockton, MA 02401

Medicare Provider Number: 220156

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,202	9.9	10.0	0.7	15.1	15.4	0.8	19.1	19.5	1.0
CONDITIONS:										
Acute Myocardial Infarction	78	39.7	30.2	7.3	46.2	33.4	8.2	50.0	36.9	9.1
Congestive Heart Failure	158	12.0	14.7	3.5	19.6	22.9	5.4	24.1	29.8	7.1
Pneumonia/Influenza	104	21.2	20.6	5.0	31.7	27.7	5.2	38.5	32.9	7.4
Chronic Obstructive Pulmonary Disease	28	3.6	8.6	*	14.3	14.8	*	25.0	19.8	*
Transient Cerebral Ischemia	50	0.0	1.9	*	2.0	4.1	*	2.0	6.6	*
Stroke	92	19.6	21.8	7.4	26.1	28.7	5.7	32.6	33.3	4.9
Hip Fracture	55	9.1	8.3	3.9	16.4	14.8	5.0	16.4	19.0	6.0
Sepsis	13	15.4	25.7	*	30.8	33.7	*	38.5	40.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	0.0	4.2	*	4.3	8.3	*	17.4	11.9	*
Carotid Endarterectomy	15	6.7	1.2	*	6.7	2.1	*	6.7	3.1	*
Hip Replacement/Reconstruction	27	3.7	2.9	*	14.8	5.9	*	14.8	8.4	*
Open Reduction of Hip Fracture	32	6.3	7.7	*	12.5	14.2	*	12.5	18.4	*
Prostatectomy	37	2.7	0.9	*	5.4	2.2	*	8.1	3.9	*
Cholecystectomy	30	0.0	4.0	*	0.0	6.8	*	3.3	8.8	*
Hysterectomy	6	0.0	0.6	*	0.0	1.4	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	275
Occupancy Rate	74
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	180
Percent of Physicians Board Certified Specialists	83
Medical Residents/Interns	4
Registered Nurses	155
Licensed Practical Nurses	97

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CARDINAL CUSHING GENERAL HOSPITAL

Medicare Provider Number: 220156

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,141	10.6	10.5	0.7	16.6	16.0	1.0	20.0	20.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	92	18.5	27.5	6.3	23.9	31.0	6.1	25.0	34.5	6.6
Congestive Heart Failure	140	20.0	18.3	3.6	27.9	28.2	3.9	35.7	36.0	4.4
Pneumonia/Influenza	95	26.3	21.9	4.6	29.5	29.1	4.7	35.8	34.3	5.0
Chronic Obstructive Pulmonary Disease	16	6.3	5.4	*	6.3	9.8	*	12.5	13.8	*
Transient Cerebral Ischemia	46	0.0	2.0	*	4.3	4.3	*	4.3	6.8	*
Stroke	100	18.0	20.1	4.5	28.0	27.2	4.5	32.0	31.9	4.7
Hip Fracture	52	7.7	6.4	3.8	9.6	11.8	5.0	11.5	15.4	6.1
Sepsis	15	13.3	29.3	*	26.7	37.7	*	33.3	44.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	5.1	*	0.0	7.3	*	0.0	9.4	*
Carotid Endarterectomy	16	0.0	1.8	*	0.0	3.3	*	0.0	4.8	*
Hip Replacement/Reconstruction	37	0.0	2.7	*	0.0	5.3	*	2.7	7.3	*
Open Reduction of Hip Fracture	20	0.0	5.6	*	5.0	10.6	*	5.0	13.9	*
Prostatectomy	51	0.0	1.1	1.8	0.0	2.8	3.2	2.0	4.5	3.7
Cholecystectomy	9	0.0	3.6	*	11.1	7.2	*	11.1	10.2	*
Hysterectomy	4	0.0	1.4	*	0.0	3.4	*	0.0	5.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,118	10.7	10.7	1.1	15.8	16.0	1.2	19.9	20.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	77	26.0	28.8	6.3	29.9	32.7	7.2	32.5	36.3	7.7
Congestive Heart Failure	144	21.5	18.1	4.4	27.8	27.4	4.1	36.8	34.7	4.3
Pneumonia/Influenza	97	29.9	23.6	5.6	38.1	31.1	6.2	45.4	36.7	7.0
Chronic Obstructive Pulmonary Disease	25	12.0	8.7	*	20.0	14.1	*	24.0	19.1	*
Transient Cerebral Ischemia	43	0.0	1.8	*	0.0	3.9	*	4.7	6.3	*
Stroke	101	17.8	23.7	8.7	24.8	30.3	9.0	30.7	34.9	8.2
Hip Fracture	55	5.5	7.3	4.0	12.7	13.2	4.6	18.2	17.1	5.5
Sepsis	10	20.0	35.2	*	20.0	45.3	*	40.0	52.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	5.6	6.3	*	11.1	11.7	*	11.1	16.0	*
Carotid Endarterectomy	22	0.0	2.0	*	4.5	4.0	*	4.5	5.9	*
Hip Replacement/Reconstruction	23	0.0	3.5	*	0.0	6.9	*	4.3	9.4	*
Open Reduction of Hip Fracture	33	3.0	6.0	*	9.1	11.3	*	15.2	14.9	*
Prostatectomy	46	0.0	1.1	*	0.0	2.7	*	2.2	4.5	*
Cholecystectomy	19	0.0	5.8	*	5.3	9.8	*	5.3	11.9	*
Hysterectomy	7	0.0	0.9	*	0.0	2.1	*	0.0	3.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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CARDINAL CUSHING GENERAL HOSPITAL

235 NORTH PEARL STREET, BROCKTON, MASSACHUSETTS 02401 (508) 588-4000

Robert J. Jepsen, Jr.
President

January 11, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Cardinal Cushing General Hospital has reviewed the Fiscal Year 1989 Medicare Hospital Mortality Rates, and we feel that it is important for the public to realize that some of these deaths occurred 30, 90 and 180 days after the patient's discharge from the Hospital.

In cases of death 180 days after admission, factors outside of the Hospital's control may have contributed to the patient's death.

It is our opinion that this study serves to project the patient's chances of dying, rather than being a true analysis of the Hospital's quality of care.

Patients grouped within a category are done so on the basis of their discharge diagnosis, which may have no relationship to their subsequent cause of death.

If you should have any questions in this regard, please do not hesitate to call.

Sincerely,

Robert J. Jepsen, Jr.
President

RJJ:lar

CARNEY HOSPITAL

2100 Dorchester Ave
Boston, MA 02124

Medicare Provider Number: 220017

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,795	9.7	10.2	0.8	15.8	15.9	0.8	20.3	20.3	0.8
CONDITIONS:										
Acute Myocardial Infarction	120	27.5	27.5	4.5	35.8	31.4	5.2	41.7	35.0	6.0
Congestive Heart Failure	121	13.2	17.1	4.6	26.4	26.5	4.0	36.4	33.9	5.0
Pneumonia/Influenza	141	15.6	16.8	3.4	21.3	22.9	4.1	24.1	27.6	5.5
Chronic Obstructive Pulmonary Disease	42	2.4	7.6	*	7.1	14.0	*	9.5	19.4	*
Transient Cerebral Ischemia	28	0.0	1.9	*	0.0	4.3	*	3.6	6.8	*
Stroke	110	20.0	20.1	4.4	24.5	27.2	5.6	28.2	31.6	5.9
Hip Fracture	73	1.4	7.9	6.3	11.0	13.9	7.0	13.7	17.9	6.5
Sepsis	23	39.1	25.7	*	60.9	34.0	*	65.2	40.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	2.3	*	0.0	4.9	*	6.7	7.6	*
Carotid Endarterectomy	1	0.0	2.5	*	0.0	4.6	*	0.0	6.6	*
Hip Replacement/Reconstruction	37	0.0	4.1	*	2.7	7.8	*	2.7	10.3	*
Open Reduction of Hip Fracture	38	2.6	7.7	*	15.8	14.4	*	21.1	18.8	*
Prostatectomy	47	2.1	1.2	*	2.1	3.1	*	6.4	5.3	*
Cholecystectomy	33	9.1	4.5	*	18.2	8.1	*	18.2	10.5	*
Hysterectomy	4	0.0	0.3	*	0.0	0.5	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	318
Occupancy Rate	83
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	280
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	60
Registered Nurses	366
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CARNEY HOSPITAL

Medicare Provider Number: 220017

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,957	9.1	10.2	0.7	14.2	15.8	0.8	18.5	20.1	0.9
CONDITIONS:										
Acute Myocardial Infarction	117	22.2	27.1	8.4	25.6	31.2	9.0	29.1	35.0	8.9
Congestive Heart Failure	138	10.9	17.5	4.5	16.7	26.6	5.9	23.2	33.7	6.4
Pneumonia/Influenza	147	15.0	16.9	5.9	18.4	22.8	6.6	23.1	27.3	6.5
Chronic Obstructive Pulmonary Disease	33	3.0	9.6	*	3.0	16.5	*	12.1	22.5	*
Transient Cerebral Ischemia	56	3.6	2.3	2.4	3.6	5.0	3.3	3.6	8.0	4.5
Stroke	108	16.7	23.6	5.3	30.6	30.8	4.6	35.2	35.6	4.7
Hip Fracture	88	2.3	6.9	4.2	11.4	12.7	4.1	15.9	16.4	4.1
Sepsis	30	36.7	24.1	*	56.7	32.3	*	63.3	38.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	25.0	10.9	*	25.0	17.4	*	25.0	22.6	*
Carotid Endarterectomy	4	0.0	1.5	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction	34	0.0	5.8	*	14.7	11.5	*	20.6	15.4	*
Open Reduction of Hip Fracture	49	0.0	6.1	*	6.1	11.7	*	12.2	15.4	*
Prostatectomy	66	0.0	1.5	2.0	3.0	3.7	2.5	3.0	5.9	3.8
Cholecystectomy	33	6.1	3.0	*	12.1	5.4	*	12.1	6.9	*
Hysterectomy	4	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,769	8.7	10.3	0.7	14.6	15.7	0.8	19.0	19.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	107	29.0	28.5	4.4	33.6	32.2	4.9	40.2	35.7	5.7
Congestive Heart Failure	120	11.7	18.3	5.5	18.3	27.6	6.3	25.0	34.9	6.7
Pneumonia/Influenza	132	17.4	17.7	3.4	24.2	23.8	3.8	28.8	28.5	4.1
Chronic Obstructive Pulmonary Disease	27	0.0	9.4	*	3.7	15.9	*	3.7	21.0	*
Transient Cerebral Ischemia	60	0.0	2.2	2.7	3.3	4.7	3.0	5.0	7.4	4.4
Stroke	118	11.0	22.8	5.2	17.8	30.3	5.6	28.8	34.9	4.8
Hip Fracture	72	2.8	7.2	5.2	9.7	13.2	6.3	13.9	17.1	5.7
Sepsis	29	27.6	29.3	*	37.9	36.5	*	48.3	42.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	6.3	4.1	*	6.3	8.1	*	6.3	11.8	*
Carotid Endarterectomy	5	0.0	1.7	*	0.0	3.2	*	0.0	4.6	*
Hip Replacement/Reconstruction	44	2.3	4.1	*	9.1	8.1	*	9.1	11.0	*
Open Reduction of Hip Fracture	37	5.4	6.9	*	5.4	13.3	*	10.8	17.6	*
Prostatectomy	77	0.0	1.8	1.9	1.3	4.4	2.9	2.6	7.2	4.1
Cholecystectomy	36	2.8	3.9	*	2.8	7.0	*	5.6	9.0	*
Hysterectomy	8	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CENTRAL HOSPITAL

26 Central St
Somerville, MA 02143

Medicare Provider Number: 220068

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	167	0.0	0.7	0.8	0.0	1.8	1.6	1.2	3.1	2.1
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	1	0.0	3.4	*	0.0	6.6	*	0.0	9.7	*
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	78
Occupancy Rate	73
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	9
Percent of Physicians Board Certified Specialists	78
Medical Residents/Interns	0
Registered Nurses	25
Licensed Practical Nurses	4

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CENTRAL HOSPITAL
Medicare Provider Number: 220068

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	180	0.0	1.0	1.0	0.0	2.1	1.7	1.1	3.5	1.9
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	212	0.5	1.3	1.1	2.4	2.7	1.1	4.2	4.4	1.5
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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HH HERITAGE HOSPITAL

26 Central Street, Somerville, Massachusetts 02143
Telephone (617) 625-8900
FAX (617) 625-6344

December 28, 1990

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Mrs. Sandra Kappert

Medicare Provider # 220068

Name Change:

Heritage Hospital
26 Central Street
Somerville, MA 02143

Total beds 98
Occupancy Rate 85
Ownership Control ..... Private, For-profit.

Listed as
Central Hospital

formerly Central Hospital
Since 1915 - A Tradition of Helping You to Health

CHARLTON MEMORIAL HOSPITAL

363 Highland Avenue
Fall River, MA 02720

Medicare Provider Number: 220055

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,297	8.9	9.0	0.6	14.0	13.6	0.8	18.0	17.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	204	23.0	21.0	3.2	29.9	24.8	4.6	33.3	28.3	5.4
Congestive Heart Failure	199	10.6	14.5	5.0	19.6	22.4	6.8	26.6	29.1	4.9
Pneumonia/Influenza	149	18.1	16.5	4.5	24.2	22.1	4.4	29.5	26.6	5.8
Chronic Obstructive Pulmonary Disease	76	7.9	5.3	4.0	11.8	10.3	5.1	18.4	15.0	5.6
Transient Cerebral Ischemia	45	4.4	2.0	*	4.4	4.4	*	6.7	6.9	*
Stroke	137	16.8	18.7	3.7	24.8	25.2	3.9	28.5	29.4	4.3
Hip Fracture	76	7.9	7.3	3.0	15.8	13.0	4.5	18.4	16.8	4.5
Sepsis	39	12.8	25.0	*	15.4	32.2	*	28.2	37.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	30	0.0	3.9	*	3.3	7.2	*	10.0	10.1	*
Carotid Endarterectomy	27	3.7	1.3	*	3.7	2.3	*	3.7	3.4	*
Hip Replacement/Reconstruction	34	2.9	1.7	*	5.9	3.1	*	8.8	4.1	*
Open Reduction of Hip Fracture	38	7.9	7.2	*	15.8	13.3	*	18.4	17.4	*
Prostatectomy	100	1.0	0.8	1.1	4.0	1.9	1.9	6.0	3.1	3.1
Cholecystectomy	64	0.0	2.5	2.9	1.6	4.2	3.9	1.6	5.2	4.3
Hysterectomy	37	5.4	0.6	*	8.1	1.2	*	8.1	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	344
Occupancy Rate	86
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	185
Percent of Physicians Board Certified Specialists	51
Medical Residents/Interns	0
Registered Nurses	229
Licensed Practical Nurses	61

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CHARLTON MEMORIAL HOSPITAL

Medicare Provider Number: 220055

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,282	8.6	9.0	0.7	13.4	13.7	0.7	17.3	17.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	161	21.1	20.3	3.2	24.2	24.2	3.5	27.3	27.8	3.8
Congestive Heart Failure	200	16.0	15.4	2.8	23.5	23.6	3.3	31.0	30.4	3.4
Pneumonia/Influenza	153	19.0	17.6	3.5	23.5	23.4	3.5	26.8	28.1	4.0
Chronic Obstructive Pulmonary Disease	55	5.5	6.6	4.9	14.5	12.0	4.9	21.8	16.5	6.8
Transient Cerebral Ischemia	69	1.4	2.0	1.8	5.8	4.3	2.9	11.6	6.8	5.0
Stroke	127	20.5	18.5	3.9	27.6	25.5	7.9	33.1	30.0	5.9
Hip Fracture	84	6.0	8.0	4.1	11.9	14.2	4.2	19.0	18.0	4.3
Sepsis	54	14.8	25.9	9.1	22.2	32.9	9.7	29.6	38.9	8.9
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	32	9.4	7.7	*	9.4	11.6	*	9.4	15.0	*
Carotid Endarterectomy	21	14.3	1.2	*	14.3	2.1	*	19.0	3.1	*
Hip Replacement/Reconstruction	19	5.3	1.5	*	10.5	2.8	*	10.5	3.8	*
Open Reduction of Hip Fracture	57	5.3	6.9	5.0	12.3	13.0	5.5	17.5	16.9	5.0
Prostatectomy	120	1.7	0.8	1.3	4.2	2.0	2.2	5.0	3.3	2.7
Cholecystectomy	51	2.0	3.2	4.1	3.9	5.7	6.1	3.9	7.3	6.3
Hysterectomy	53	0.0	0.4	1.1	1.9	0.8	1.5	1.9	1.2	2.0

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,248	8.5	9.3	0.8	13.7	13.9	0.6	17.7	17.6	0.8
CONDITIONS:										
Acute Myocardial Infarction	173	17.9	24.5	5.4	21.4	28.3	5.3	26.0	32.1	5.0
Congestive Heart Failure	210	17.1	16.3	3.2	25.2	24.7	3.2	36.7	31.7	4.3
Pneumonia/Influenza	125	13.6	17.1	4.1	24.0	23.1	4.0	30.4	27.9	5.2
Chronic Obstructive Pulmonary Disease	73	8.2	6.4	4.4	16.4	12.1	7.1	23.3	17.2	7.9
Transient Cerebral Ischemia	64	4.7	2.0	2.7	6.3	4.3	4.5	10.9	6.7	4.0
Stroke	133	23.3	21.3	6.6	30.1	28.3	5.5	33.1	32.8	4.4
Hip Fracture	64	7.8	6.5	5.7	17.2	11.8	7.8	18.8	15.3	8.4
Sepsis	48	18.8	30.0	*	29.2	38.0	*	37.5	44.2	*
PROCEDURES:										
Angioplasty	1	0.0	1.6	*	0.0	2.7	*	0.0	3.6	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	4.2	3.9	*	8.3	7.0	*	8.3	9.6	*
Carotid Endarterectomy	21	0.0	1.3	*	0.0	2.4	*	4.8	3.5	*
Hip Replacement/Reconstruction	15	0.0	2.2	*	6.7	4.1	*	6.7	5.6	*
Open Reduction of Hip Fracture	48	8.3	6.0	*	16.7	11.4	*	18.8	15.1	*
Prostatectomy	119	0.0	0.9	1.2	0.8	2.2	1.8	2.5	3.6	2.0
Cholecystectomy	66	0.0	3.5	3.7	3.0	6.2	4.4	4.5	8.1	4.7
Hysterectomy	35	0.0	0.5	*	0.0	1.1	*	0.0	1.5	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CHOATE SYMMES HOSPITALS INC

21 Warren Ave
Woburn, MA 01801

Medicare Provider Number: 220053

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,464	9.4	10.7	0.8	15.5	16.3	0.8	19.8	20.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	116	25.0	26.9	4.2	31.9	30.6	4.4	35.3	34.1	4.6
Congestive Heart Failure	126	17.5	16.3	3.7	25.4	24.8	4.2	29.4	31.8	5.7
Pneumonia/Influenza	123	12.2	18.4	4.2	23.6	24.9	4.5	32.5	29.8	4.5
Chronic Obstructive Pulmonary Disease	7	0.0	13.2	*	28.6	19.4	*	57.1	24.3	*
Transient Cerebral Ischemia	43	2.3	1.7	*	4.7	3.8	*	9.3	6.1	*
Stroke	117	18.8	20.5	4.0	23.9	28.2	6.4	29.1	32.8	6.0
Hip Fracture	79	3.8	8.2	5.3	10.1	14.5	6.9	13.9	18.5	7.4
Sepsis	39	30.8	25.8	*	38.5	34.0	*	41.0	39.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	3.0	*	0.0	5.6	*	0.0	8.1	*
Carotid Endarterectomy	4	0.0	1.5	*	0.0	3.0	*	0.0	4.6	*
Hip Replacement/Reconstruction	37	0.0	3.8	*	5.4	7.3	*	8.1	9.7	*
Open Reduction of Hip Fracture	46	6.5	8.3	*	13.0	15.2	*	17.4	19.5	*
Prostatectomy	58	1.7	1.5	1.6	1.7	3.7	3.8	3.4	6.4	6.1
Cholecystectomy	43	2.3	3.0	*	4.7	5.6	*	7.0	7.3	*
Hysterectomy	9	0.0	1.1	*	0.0	2.2	*	0.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	271
Occupancy Rate	70
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CHOATE SYMMES HOSPITALS INC

Medicare Provider Number: 220053

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,460	9.2	10.8	0.9	15.4	16.5	1.1	19.5	20.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	124	28.2	28.3	5.3	31.5	32.4	4.3	37.1	36.4	4.4
Congestive Heart Failure	112	16.1	20.4	4.6	25.9	30.2	5.5	37.5	37.7	5.7
Pneumonia/Influenza	107	15.0	19.9	5.1	26.2	26.5	5.7	32.7	31.4	4.6
Chronic Obstructive Pulmonary Disease	8	25.0	13.0	*	25.0	23.7	*	25.0	31.9	*
Transient Cerebral Ischemia	39	2.6	2.1	*	5.1	4.7	*	12.8	7.5	*
Stroke	105	18.1	21.2	4.5	32.4	28.9	5.0	40.0	33.7	6.1
Hip Fracture	106	5.7	7.7	4.9	9.4	13.8	6.8	12.3	17.6	7.3
Sepsis	32	21.9	28.4	*	31.3	35.0	*	34.4	40.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	7.0	*	6.7	10.8	*	13.3	14.5	*
Carotid Endarterectomy	3	0.0	1.7	*	33.3	3.4	*	33.3	5.0	*
Hip Replacement/Reconstruction	53	1.9	5.2	4.8	9.4	9.9	6.5	11.3	12.9	5.1
Open Reduction of Hip Fracture	51	7.8	7.3	4.9	9.8	13.5	7.7	11.8	17.4	10.1
Prostatectomy	80	1.2	1.4	1.3	7.5	3.4	4.4	7.5	5.6	3.1
Cholecystectomy	35	0.0	2.2	*	2.9	3.9	*	2.9	4.9	*
Hysterectomy	10	0.0	1.3	*	0.0	3.1	*	0.0	5.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,506	9.7	11.2	0.9	15.3	17.0	1.0	19.5	21.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	121	26.4	31.0	6.9	29.8	34.7	7.9	33.1	38.3	8.8
Congestive Heart Failure	127	18.1	19.3	3.9	25.2	28.4	5.5	33.1	35.6	6.0
Pneumonia/Influenza	117	12.0	18.1	6.7	21.4	24.5	6.3	27.4	29.3	5.1
Chronic Obstructive Pulmonary Disease	10	20.0	6.6	*	20.0	12.9	*	30.0	18.6	*
Transient Cerebral Ischemia	34	0.0	1.9	*	0.0	4.0	*	2.9	6.2	*
Stroke	94	23.4	23.3	4.8	29.8	31.0	5.5	31.9	35.6	6.8
Hip Fracture	98	5.1	8.8	5.3	10.2	15.5	6.4	16.3	19.4	5.0
Sepsis	25	20.0	27.8	*	28.0	36.8	*	36.0	43.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	5.6	4.9	*	16.7	9.1	*	27.8	12.6	*
Carotid Endarterectomy	2	0.0	1.2	*	0.0	2.2	*	0.0	3.1	*
Hip Replacement/Reconstruction	56	5.4	6.0	3.3	8.9	11.2	4.9	16.1	14.7	5.5
Open Reduction of Hip Fracture	53	5.7	8.1	4.4	11.3	15.1	6.2	15.1	19.3	6.9
Prostatectomy	78	0.0	1.2	1.7	1.3	3.0	2.3	2.6	5.1	3.2
Cholecystectomy	43	0.0	4.7	*	0.0	8.3	*	4.7	11.1	*
Hysterectomy	11	0.0	0.5	*	0.0	1.2	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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SYMMES HOSPITAL
HOSPITAL ROAD • ARLINGTON, MASSACHUSETTS 02174 • (617) 646-1500 • FAX Ext. 1523

Medicare Provider # 220053

RE: Symmes Response to HCFA Mortality Data

DATE: January 1991

Symmes Hospital is a community hospital caring, among others, for our families, friends, and neighbors. We take care to provide to each individual in need of our services the highest standard of professional care. In order to insure each patient the highest quality care we are committed to ongoing analysis of our performance, making changes when necessary.

Symmes Hospital has a comprehensive and complex Quality Assurance Program. All clinical disciplines within the hospital are required to constantly monitor the services they provide. In addition, there are hospital-wide systems in place to monitor quality; these include patient complaint systems and screening mechanisms. This process is coordinated by a Quality Assurance Committee that meets regularly and is overseen by the Hospital's Board of Trustees.

Multiple sources are used to compile information about patient care in our Hospitals. This is reviewed on an ongoing basis. We welcome the HCFA Data as interesting feedback from yet another potential source of useful information.

Although the exact relevance of this data is unclear at this time, we are pleased to have compared favorably in it. We will continue to study the information for its usefulness in managing our system and the care we provide.

Any questions should be directed to the Office of the President, David Speltz.

DANA-FARBER CANCER INSTITUTE

44 Binney St
Boston, MA 02115

Medicare Provider Number: 220162

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	120	23.3	23.8	4.1	40.8	39.8	6.6	53.3	50.2	10.1
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	57
Occupancy Rate	83
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	140
Percent of Physicians Board Certified Specialists	90
Medical Residents/Interns	0
Registered Nurses	122
Licensed Practical Nurses	0

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

DANA-FARBER CANCER INSTITUTE

Medicare Provider Number: 220162

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	121	19.0	22.6	5.9	30.6	39.0	6.4	49.6	49.8	7.7
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	1	0.0	10.9	*	0.0	15.7	*	0.0	19.6	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	1	100.0	43.6	*	100.0	54.0	*	100.0	62.5	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	136	22.1	21.0	3.6	36.8	37.0	4.1	52.2	47.6	7.2
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

205.1

DANA-FARBER
CANCER INSTITUTE

THE JIMMY FUND

44 Binney Street Boston MA 02115

RHEA MARGULIES
[illegible]
[illegible]

January 11, 1991

Attn: Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Ladies and Gentlemen,

We have reviewed the Medicare hospital mortality data provided to the Dana-Farber Cancer Institute for 1989.

We believe that the definition of certain cancers as "moderate risk" is questionable when applied to systemic treatment for advanced cancer:

1. For example, several forms of lung cancer (162.3 - 162.5) are classified as moderately severe while other forms (162.2, 162.8-9) are classified very severe. While these distinctions may be meaningful in a surgical context, that is, one location may be more susceptible to resection than another, we believe that this is not the case where the cancers are being treated with chemotherapy for advanced disease.

The data provided show eight deaths among patients with diagnoses 162.3 - 162.5.

2. Various forms of lymphoma are classified as of moderate severity; the patients listed who died within 180 days were uniformly treated for relapsed lymphoma. They had been extensively previously treated and had very poor prognoses, unlike patients with first admissions for lymphoma, who generally enjoy better prognoses. This classification system makes no distinction between them. The data provided show seven deaths among patients with diagnoses of lymphoma.

3. While the Institute had only one death of a patient with hairy cell leukemia (202.4) we believe that it cannot be considered a "moderately severe" disease. Once hairy cell leukemia requires hospitalization for refractoriness to therapy, it assumes the same level of risk as any form of acute leukemia.

This review of 121 patients treated at the Institute reports 79 deaths, among them twenty-two classified as moderate risk. Of those twenty-two, we believe at least sixteen to be misclassified as to severity. In addition, in a specialized cancer referral center the principal discharge diagnosis alone may not explain the natural history of the disease or the risk of death.

In sum, we believe that the excess of observed (53.3) over predicted (50.2) deaths at 180 days, as well as the small excess at 90 days, is in large part attributable to artificial distinctions among equally fatal forms of cancer.

Yours truly,

Rhea Margulies

Rhea Margulies
Director of Planning

EMERSON HOSPITAL

Old Rd to 9 Acre Corner
Concord, MA 01742

Medicare Provider Number: 220084

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,364	8.1	8.7	1.1	12.7	13.4	1.3	15.2	17.1	1.7
CONDITIONS:										
Acute Myocardial Infarction	40	27.5	27.7	*	30.0	31.4	*	32.5	34.9	*
Congestive Heart Failure	69	14.5	17.7	5.7	23.2	27.1	8.2	29.0	34.5	9.9
Pneumonia/Influenza	56	8.9	17.2	8.2	16.1	23.3	9.9	16.1	27.9	9.6
Chronic Obstructive Pulmonary Disease	13	15.4	5.0	*	15.4	8.8	*	23.1	12.2	*
Transient Cerebral Ischemia	23	0.0	1.8	*	4.3	3.9	*	13.0	6.1	*
Stroke	68	19.1	23.3	5.9	29.4	30.5	5.6	33.8	35.2	6.2
Hip Fracture	38	2.6	7.8	*	7.9	13.9	*	7.9	17.8	*
Sepsis	13	15.4	20.2	*	23.1	28.0	*	23.1	33.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	1.6	*	20.0	3.6	*	20.0	5.9	*
Carotid Endarterectomy	4	0.0	1.6	*	0.0	2.9	*	0.0	4.5	*
Hip Replacement/Reconstruction	29	3.4	2.9	*	3.4	5.5	*	3.4	7.3	*
Open Reduction of Hip Fracture	23	0.0	7.5	*	4.3	13.9	*	4.3	18.0	*
Prostatectomy	37	0.0	1.4	*	2.7	3.5	*	2.7	6.0	*
Cholecystectomy	18	5.6	3.7	*	5.6	6.2	*	5.6	7.6	*
Hysterectomy	12	0.0	2.2	*	0.0	3.2	*	0.0	4.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	182
Occupancy Rate	80
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	169
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	0
Registered Nurses	260
Licensed Practical Nurses	25

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

EMERSON HOSPITAL

Medicare Provider Number: 220084

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,368	8.0	9.2	1.0	12.4	14.1	1.3	15.8	17.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	50	26.0	31.2	*	30.0	35.8	*	36.0	40.0	*
Congestive Heart Failure	62	17.7	16.2	5.0	22.6	24.6	5.7	29.0	31.4	7.1
Pneumonia/Influenza	60	20.0	17.6	5.3	23.3	23.5	6.4	25.0	28.2	7.4
Chronic Obstructive Pulmonary Disease	11	0.0	8.3	*	9.1	13.7	*	27.3	18.1	*
Transient Cerebral Ischemia	34	0.0	2.2	*	8.8	4.9	*	14.7	7.8	*
Stroke	54	14.8	20.9	6.6	18.5	28.3	8.6	20.4	33.1	10.5
Hip Fracture	49	14.3	8.9	*	18.4	15.9	*	24.5	20.1	*
Sepsis	16	0.0	23.5	*	6.3	30.6	*	6.3	35.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	3.4	*	0.0	6.4	*	0.0	9.3	*
Carotid Endarterectomy	3	0.0	1.3	*	0.0	2.3	*	0.0	3.2	*
Hip Replacement/Reconstruction	38	5.3	4.9	*	7.9	9.6	*	10.5	12.8	*
Open Reduction of Hip Fracture	20	10.0	7.6	*	15.0	14.1	*	25.0	18.1	*
Prostatectomy	27	0.0	2.0	*	0.0	3.8	*	3.7	5.4	*
Cholecystectomy	22	4.5	5.1	*	18.2	9.6	*	18.2	12.5	*
Hysterectomy	9	0.0	1.1	*	0.0	2.7	*	0.0	4.4	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,359	9.3	9.5	1.3	13.8	14.5	1.8	17.1	18.4	2.2
CONDITIONS:										
Acute Myocardial Infarction	44	29.5	27.8	*	31.8	31.4	*	34.1	35.0	*
Congestive Heart Failure	76	14.5	18.4	5.8	25.0	27.4	5.3	27.6	34.7	6.4
Pneumonia/Influenza	30	16.7	18.0	*	20.0	24.9	*	23.3	30.3	*
Chronic Obstructive Pulmonary Disease	11	18.2	9.0	*	36.4	15.5	*	36.4	21.0	*
Transient Cerebral Ischemia	31	6.5	2.1	*	6.5	4.4	*	9.7	6.9	*
Stroke	85	18.8	23.5	7.3	25.9	31.4	8.6	29.4	36.1	10.7
Hip Fracture	65	7.7	8.4	4.4	10.8	14.7	5.3	23.1	18.6	5.5
Sepsis	13	15.4	29.7	*	30.8	38.2	*	30.8	44.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	7.8	*	15.4	12.4	*	23.1	16.1	*
Carotid Endarterectomy	3	0.0	3.1	*	0.0	6.9	*	0.0	10.7	*
Hip Replacement/Reconstruction	39	7.7	5.5	*	7.7	10.2	*	17.9	13.3	*
Open Reduction of Hip Fracture	38	5.3	7.0	*	10.5	13.1	*	23.7	16.9	*
Prostatectomy	23	0.0	0.8	*	8.7	2.1	*	8.7	3.5	*
Cholecystectomy	19	5.3	3.4	*	5.3	5.4	*	5.3	6.4	*
Hysterectomy	16	0.0	0.3	*	0.0	0.7	*	0.0	1.2	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Emerson
Hospital

Old Road to Nine Acre Corner
Concord, MA 01742-4166
(508) 369-1400

Medicare Provider #220084
January 11, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra K. Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

The mission of Emerson Hospital is to deliver quality, personalized care to everyone who entrusts his or her care to us. Consistent with our mission, Emerson has had in place for many years a comprehensive quality assessment program designed to continually improve patient care. We employ many different means in our assessment of quality, with the review of HCFA mortality data being one component of a comprehensive data base.

Based on our preliminary review of the mortality data for Medicare patients discharged from Emerson between October 1, 1988 and September 30, 1989, the information forwarded to us by HCFA appears accurate. Should further analysis reveal any errors in the data, we will subsequently inform your agency.

Emerson Hospital applauds the refinements made this year by HCFA in the methodology and in the way the results of the mortality analysis are displayed. Further, we encourage HCFA to continue to improve its measurement of mortality data and possibly expand its information base so that it can assist hospitals in their own efforts to monitor patient care.

Sincerely,

Rina K. Spence
President and CEO

RKS:cm
JR.49

FAIRVIEW HOSPITAL

29 Lewis Ave
Great Barrington, MA 01230

Medicare Provider Number: 220038

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	532	11.7	11.0	1.6	15.8	16.1	1.6	20.1	20.1	2.0
CONDITIONS:										
Acute Myocardial Infarction	27	29.6	25.5	*	33.3	28.6	*	37.0	31.8	*
Congestive Heart Failure	33	12.1	16.3	*	21.2	25.3	*	30.3	32.7	*
Pneumonia/Influenza	29	17.2	13.6	*	20.7	19.1	*	31.0	23.2	*
Chronic Obstructive Pulmonary Disease	4	0.0	5.2	*	25.0	8.9	*	50.0	12.3	*
Transient Cerebral Ischemia	3	0.0	1.4	*	0.0	3.2	*	0.0	5.1	*
Stroke	20	35.0	24.3	*	40.0	31.1	*	45.0	35.7	*
Hip Fracture	24	4.2	6.7	*	16.7	11.9	*	16.7	15.2	*
Sepsis	11	9.1	29.5	*	18.2	38.7	*	27.3	45.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	0.0	2.1	*	16.7	4.0	*	16.7	5.6	*
Open Reduction of Hip Fracture	8	12.5	6.5	*	25.0	12.2	*	25.0	16.0	*
Prostatectomy	19	10.5	1.8	*	21.1	4.4	*	26.3	7.1	*
Cholecystectomy	10	0.0	3.0	*	0.0	5.5	*	0.0	7.0	*
Hysterectomy	4	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	43
Occupancy Rate	67
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	28
Percent of Physicians Board Certified Specialists	64
Medical Residents/Interns	0
Registered Nurses	48
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FAIRVIEW HOSPITAL

Medicare Provider Number: 220038

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	557	9.2	10.0	1.4	15.1	15.2	1.6	20.3	19.3	1.8
CONDITIONS:										
Acute Myocardial Infarction	25	20.0	28.4	*	24.0	31.8	*	24.0	35.4	*
Congestive Heart Failure	31	19.4	17.6	*	35.5	27.0	*	41.9	34.4	*
Pneumonia/Influenza	33	12.1	15.5	*	12.1	21.3	*	21.2	25.7	*
Chronic Obstructive Pulmonary Disease	8	12.5	6.5	*	12.5	10.6	*	12.5	14.4	*
Transient Cerebral Ischemia	4	0.0	1.8	*	25.0	3.8	*	25.0	5.9	*
Stroke	21	9.5	17.0	*	33.3	24.0	*	38.1	28.7	*
Hip Fracture	23	13.0	7.5	*	13.0	14.0	*	13.0	18.0	*
Sepsis	9	33.3	27.4	*	44.4	35.6	*	55.6	42.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	7.1	5.2	*	7.1	10.2	*	7.1	13.3	*
Open Reduction of Hip Fracture	5	20.0	8.0	*	20.0	15.5	*	20.0	20.5	*
Prostatectomy	9	0.0	0.9	*	0.0	2.2	*	0.0	3.4	*
Cholecystectomy	8	0.0	2.7	*	12.5	4.2	*	12.5	5.1	*
Hysterectomy	4	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	494	8.9	10.5	2.1	13.8	15.7	2.7	18.0	19.8	2.7
CONDITIONS:										
Acute Myocardial Infarction	21	23.8	34.4	*	28.6	37.2	*	33.3	40.4	*
Congestive Heart Failure	26	11.5	16.7	*	11.5	25.2	*	15.4	32.3	*
Pneumonia/Influenza	32	15.6	15.6	*	18.8	21.2	*	18.8	25.7	*
Chronic Obstructive Pulmonary Disease	3	0.0	5.4	*	0.0	10.5	*	0.0	15.1	*
Transient Cerebral Ischemia	11	0.0	1.8	*	0.0	3.7	*	0.0	5.9	*
Stroke	16	18.8	22.2	*	37.5	29.8	*	50.0	34.3	*
Hip Fracture	12	0.0	6.5	*	0.0	11.6	*	0.0	15.2	*
Sepsis	3	33.3	28.4	*	33.3	40.0	*	66.7	47.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	1.3	*	0.0	2.5	*	0.0	3.4	*
Open Reduction of Hip Fracture	5	0.0	5.9	*	0.0	10.9	*	0.0	14.5	*
Prostatectomy	14	0.0	1.2	*	0.0	2.9	*	0.0	4.8	*
Cholecystectomy	3	0.0	1.8	*	0.0	2.8	*	0.0	3.6	*
Hysterectomy	2	0.0	0.9	*	0.0	1.4	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

209.1

Fairview
Hospital
BERKSHIRE HEALTH SYSTEMS
29 Lewis Avenue
Great Barrington, MA 01230
(413) 528-0790

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Mrs. Sandra Kappert

Dear Mrs. Kappert:

Attached please find our Comments on Medicare Hospital Mortality Information.

If you have any questions, please do not hesitate to contact me at 413-528-0790 extension 111.

Sincerely,

Ruth Fitzpatrick

Ruth Fitzpatrick
Utilization Review/Medical Staff Services

RF/kmg

enc.

Fairview
Hospital
BERKSHIRE HEALTH SYSTEMS
29 Lewis Avenue
Great Barrington, MA 01230
(413) 528-0790

220038

COMMENTS ON MEDICARE HOSPITAL MORTALITY INFORMATION

Fairview Hospital
Hospital ID: 220038
January 10, 1991

Fairview Hospital mortality rates for Medicare patients were calculated for fiscal year 1989 by the Health Care Financing Administration (HCFA) and compared to predicted averages. All predicted averages, as defined by HCFA have a particular measure of uncertainty. This is demonstrated as the standard deviation. When the total number of deaths in a facility or in an individual category are small, the significance of percentages is greatly effected. Due to this fact, the precision and interpretability of such estimates is felt by HCFA to be questionable.

Fairview Hospital is a 43 bed short term acute care facility. As shown by the summary data, all condition and procedure categories had to few deaths to yield data of assured significance.

The 1989 overall mortality rate was calculated at 11.7% for all Medicare patients dying within 30 days of discharge with a predicted rate of 11.0% and standard deviation of 1.6%.

A chart review was conducted of all patients who expired within 30 days of discharge to verify data accuracy and assess the individual patients risk of death.

The average age of the group studied was found to be 75 with the oldest being 100 years of age and the youngest being 61 years of age.

Of the population studied 47% were found to have had "Do Not Resuscitate" orders documented. This signifies patients with terminal or endstage disease who have reached the stage in their disease process where no further treatment is warranted and the patient and/or family refuse any further heroics.

Of those remaining 63% had diagnosis of cancer, chronic endstage diseases such as chronic obstructive pulmonary disease, congestive heart failure or renal disease, or diseases of multiple organ systems.

Finally of the total group .7% were patients that were transferred to a tertiary care center requiring care such as cardiac catherization unavailable at Fairview Hospital and .1% were discharged to area nursing homes and died thereafter.

Ongoing review of the Health Care Financing Administrations Mortality Rate Survey along with internal programs of patient care assessment will continue to be monitored as part of Fairview Hospital's commitment to high quality care.

RF/kmg

FALMOUTH HOSPITAL

67&100 Ter Heun Dr
Falmouth, MA 02540

Medicare Provider Number: 220135

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,557	8.7	9.4	0.8	12.8	14.3	1.1	15.8	18.2	1.5
CONDITIONS:										
Acute Myocardial Infarction	54	24.1	26.9	6.7	25.9	30.1	7.9	27.8	33.9	9.5
Congestive Heart Failure	106	9.4	17.0	5.8	18.9	26.2	6.2	25.5	33.6	6.7
Pneumonia/Influenza	61	9.8	15.4	6.8	16.4	21.5	8.2	21.3	26.2	9.3
Chronic Obstructive Pulmonary Disease	26	0.0	6.3	*	3.8	11.5	*	3.8	16.3	*
Transient Cerebral Ischemia	19	0.0	1.3	*	0.0	3.1	*	5.3	5.3	*
Stroke	68	17.6	19.1	5.4	22.1	25.7	6.4	25.0	30.1	8.4
Hip Fracture	52	3.8	5.8	3.8	3.8	10.7	6.8	9.6	14.2	6.5
Sepsis	29	24.1	26.8	*	31.0	34.6	*	48.3	41.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	2.4	*	11.1	5.1	*	11.1	7.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	28	3.6	4.1	*	3.6	8.4	*	7.1	11.8	*
Open Reduction of Hip Fracture	32	3.1	5.6	*	3.1	10.8	*	9.4	14.5	*
Prostatectomy	80	0.0	1.0	*	0.0	2.3	*	0.0	3.8	*
Cholecystectomy	32	0.0	3.2	*	3.1	5.4	*	6.3	6.8	*
Hysterectomy	13	0.0	1.5	*	0.0	3.1	*	0.0	4.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	127
Occupancy Rate	76
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	63
Percent of Physicians Board Certified Specialists	78
Medical Residents/Interns	0
Registered Nurses	136
Licensed Practical Nurses	12

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FALMOUTH HOSPITAL

Medicare Provider Number: 220135

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,649	8.5	9.6	0.8	12.0	14.5	1.4	15.5	18.4	1.5
CONDITIONS:										
Acute Myocardial Infarction	64	25.0	28.9	7.5	28.1	32.0	8.3	31.3	35.7	8.8
Congestive Heart Failure	75	13.3	16.6	5.9	21.3	25.3	8.0	28.0	32.5	7.6
Pneumonia/Influenza	76	15.8	15.6	4.2	21.1	21.1	4.7	23.7	25.4	5.6
Chronic Obstructive Pulmonary Disease	26	3.8	6.5	*	3.8	11.8	*	7.7	16.4	*
Transient Cerebral Ischemia	20	0.0	1.7	*	0.0	4.2	*	5.0	7.1	*
Stroke	80	23.7	19.9	5.8	28.7	26.1	8.2	32.5	30.5	6.4
Hip Fracture	48	4.2	5.8	*	8.3	11.1	*	16.7	14.6	*
Sepsis	12	16.7	26.1	*	25.0	34.4	*	33.3	40.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	2.2	*	12.5	4.5	*	12.5	7.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	28	0.0	3.5	*	3.6	7.0	*	10.7	9.4	*
Open Reduction of Hip Fracture	26	3.8	5.2	*	7.7	10.4	*	15.4	14.1	*
Prostatectomy	89	0.0	0.9	*	0.0	2.1	*	0.0	3.5	*
Cholecystectomy	35	0.0	2.7	*	0.0	4.4	*	0.0	5.4	*
Hysterectomy	7	0.0	1.0	*	0.0	2.1	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,612	7.7	9.2	1.2	12.8	14.1	1.1	16.1	17.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	50	24.0	31.3	*	28.0	35.0	*	30.0	38.5	*
Congestive Heart Failure	68	13.2	19.3	9.6	22.1	29.0	11.3	30.9	36.7	11.5
Pneumonia/Influenza	51	7.8	14.3	6.8	11.8	20.0	8.6	15.7	24.7	9.0
Chronic Obstructive Pulmonary Disease	20	10.0	9.2	*	25.0	16.0	*	25.0	21.7	*
Transient Cerebral Ischemia	25	0.0	2.1	*	0.0	4.7	*	0.0	7.5	*
Stroke	70	18.6	22.5	7.2	35.7	29.4	6.5	42.9	34.2	8.4
Hip Fracture	47	2.1	5.3	*	8.5	10.1	*	8.5	13.3	*
Sepsis	19	36.8	26.6	*	42.1	33.1	*	42.1	38.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	5.9	*	0.0	10.5	*	0.0	14.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	34	0.0	2.3	*	0.0	4.7	*	5.9	6.4	*
Open Reduction of Hip Fracture	28	0.0	5.0	*	3.6	9.9	*	3.6	13.4	*
Prostatectomy	79	0.0	0.9	1.4	0.0	2.2	2.6	1.3	3.7	3.1
Cholecystectomy	21	0.0	1.8	*	0.0	3.1	*	0.0	3.9	*
Hysterectomy	9	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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211.2

FALMOUTH HOSPITAL

100 TER HEUN DRIVE/FALMOUTH, MASSACHUSETTS 02540-2599/TELEPHONE (508) 548-5300

January 14, 1991

Attn: Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Re: Medicare provider 220135

Dear Mrs. Kappert:

We at the Falmouth Hospital have reviewed the material sent to us for the Medicare Mortality Data for 1990, and have the following comments.

1. Once again, the methodology this year for analyzing mortality data is different from that used in previous years, which makes it difficult to compare our "performance." According to the AHA member briefing on the report, the changes appear to be for the better. These changes include case selection and mathematical techniques for predicting the probability of death. Although these may be "better," their complexity make it difficult to explain to the public and press.

2. Use of ninety and one hundred eighty days may be misleading. From my understanding of the methodology, it appears possible that a patient may undergo admission and treatment at other hospitals that may have an impact on his/her death, and have it affect us. Also, after discharge, the presence or absence of satisfactory aftercare may be involved in the patient's condition, even if there are no other hospital admissions.

3. For a small hospital with few cases in the selected categories, the standard deviations are not given. For us, for example, there is none given for three of the eight conditions, or for any of the six procedures we perform. From a statistical perspective, how valuable is a technique in these instances?

4. Again, for small hospitals, one death can skew an entire category. For example, for "initial pacemaker insertion," the expected number of deaths for the ninety day period is 5.1, and for one hundred eighty days, it is 7.9. One death (out of nine patients) yields a rate of 11.1 %, and stands out as abnormal. The methodology does not address the minimum level at which the approach loses value.

Thank you for the opportunity to review and comment. If you have any questions, please write or call me at 508-548-5300, Pager 048.

Very truly yours,

Alexander Ziss
Vice President,
Clinical Services

cc: Ms. Karol Joseph,
Massachusetts Hospital Association

FAULKNER HOSPITAL

1153 Centre St
Boston, MA 02130

Medicare Provider Number: 220119

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,191	9.0	11.2	0.9	15.1	17.1	1.0	19.1	21.5	1.1
CONDITIONS:										
Acute Myocardial Infarction	101	29.7	27.4	6.2	34.7	31.0	5.7	35.6	34.4	6.4
Congestive Heart Failure	100	8.0	18.6	5.2	15.0	28.4	6.4	22.0	36.0	6.6
Pneumonia/Influenza	84	26.2	19.7	8.9	33.3	26.4	10.6	39.3	31.1	10.1
Chronic Obstructive Pulmonary Disease	37	8.1	8.1	*	21.6	14.4	*	21.6	20.1	*
Transient Cerebral Ischemia	25	0.0	2.0	*	0.0	4.4	*	0.0	7.0	*
Stroke	92	16.3	22.4	7.4	25.0	29.5	7.3	30.4	34.1	6.1
Hip Fracture	77	6.5	7.8	4.2	11.7	13.9	4.4	19.5	17.9	5.4
Sepsis	26	15.4	27.2	*	23.1	34.1	*	30.8	39.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	0.0	3.4	*	0.0	7.1	*	5.3	10.6	*
Carotid Endarterectomy	2	0.0	1.6	*	0.0	3.9	*	50.0	6.2	*
Hip Replacement/Reconstruction	37	5.4	5.5	*	10.8	10.5	*	16.2	13.7	*
Open Reduction of Hip Fracture	40	5.0	7.1	*	10.0	13.0	*	17.5	16.9	*
Prostatectomy	55	0.0	1.3	1.9	3.6	3.3	2.9	5.5	5.5	4.0
Cholecystectomy	36	0.0	4.5	*	0.0	8.1	*	0.0	10.4	*
Hysterectomy	10	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	245
Occupancy Rate	79
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	200
Percent of Physicians Board Certified Specialists	82
Medical Residents/Interns	38
Registered Nurses	222
Licensed Practical Nurses	22

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FAULKNER HOSPITAL

Medicare Provider Number: 220119

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,057	9.1	11.1	1.0	15.4	16.6	1.0	19.2	20.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	94	28.7	24.4	8.4	30.9	28.3	8.3	34.0	32.0	6.9
Congestive Heart Failure	114	20.2	19.9	3.7	30.7	29.5	4.5	38.6	36.9	4.9
Pneumonia/Influenza	100	15.0	19.4	4.6	29.0	25.9	4.7	32.0	30.9	5.4
Chronic Obstructive Pulmonary Disease	22	9.1	10.1	*	22.7	17.9	*	27.3	24.4	*
Transient Cerebral Ischemia	24	4.2	1.9	*	4.2	4.1	*	4.2	6.4	*
Stroke	88	13.6	20.0	6.4	17.0	26.5	8.1	19.3	30.9	9.2
Hip Fracture	75	5.3	6.9	3.9	9.3	12.5	6.5	10.7	15.9	8.8
Sepsis	18	27.8	37.5	*	50.0	46.9	*	55.6	53.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	0.0	3.7	*	0.0	6.8	*	0.0	9.7	*
Carotid Endarterectomy	4	0.0	1.9	*	0.0	3.6	*	0.0	5.4	*
Hip Replacement/Reconstruction	39	5.1	3.6	*	5.1	6.9	*	5.1	8.9	*
Open Reduction of Hip Fracture	45	4.4	6.3	*	11.1	11.8	*	13.3	15.3	*
Prostatectomy	75	0.0	1.8	2.5	1.3	3.9	5.1	10.7	6.1	4.9
Cholecystectomy	32	0.0	4.4	*	3.1	8.1	*	6.3	10.5	*
Hysterectomy	9	0.0	1.0	*	0.0	2.3	*	11.1	3.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,082	9.5	11.2	0.9	14.7	16.8	1.1	19.0	21.0	1.3
CONDITIONS:										
Acute Myocardial Infarction	92	35.9	30.1	8.5	41.3	34.3	8.4	42.4	37.9	6.8
Congestive Heart Failure	92	7.6	19.0	5.6	14.1	28.5	6.6	22.8	35.9	7.1
Pneumonia/Influenza	85	12.9	20.7	5.9	27.1	27.5	5.4	28.2	32.5	5.7
Chronic Obstructive Pulmonary Disease	33	12.1	12.4	*	18.2	20.2	*	30.3	26.1	*
Transient Cerebral Ischemia	26	0.0	2.6	*	0.0	5.9	*	3.8	9.2	*
Stroke	100	19.0	23.2	5.7	24.0	30.9	7.5	31.0	35.5	6.7
Hip Fracture	60	5.0	7.8	4.7	5.0	14.0	6.9	10.0	17.8	7.3
Sepsis	20	30.0	27.7	*	40.0	35.9	*	40.0	42.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	0.0	3.5	*	4.8	6.6	*	9.5	9.4	*
Carotid Endarterectomy	5	20.0	1.3	*	20.0	2.6	*	20.0	3.9	*
Hip Replacement/Reconstruction	48	0.0	4.3	*	2.1	8.2	*	6.3	10.9	*
Open Reduction of Hip Fracture	35	5.7	6.8	*	5.7	12.8	*	8.6	16.6	*
Prostatectomy	69	0.0	1.1	1.9	4.3	2.6	2.4	5.8	4.5	3.6
Cholecystectomy	20	0.0	3.7	*	0.0	6.5	*	0.0	8.2	*
Hysterectomy	11	9.1	2.3	*	9.1	4.9	*	9.1	7.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Hospital #220119

FAULKNER
HOSPITAL

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attn: Mrs. Sandra Kappert

To Whom it May Concern:

Below please find our comments relative to the 12/6/90 mailing of the FY 1989 HCFA mortality data. In addition, we've provided an "Error/Correction Report" separate from this comment section so that you will have the opportunity to correct the case specific erroneous data we received.

COMMENTS

Today, as always in the past, Faulkner Hospital's commitment to the provision of the highest quality patient care is both indicative of its purpose as well as reflective of its mission, i.e., excellence in patient services provided in an environment of dignity, compassion and respect.

Faulkner once again welcomed the receipt of the HCFA mortality data, as this data continues to provide us with yet another approach to assess our management by screening for issues and trends that could ultimately result in an opportunity to improve patient care.

Initially we evaluated the patient data provided to us to assure the integrity of the data. As such, the errors identified, as mentioned previously, have been forwarded outside of these comments for your reference.

We then proceeded to evaluate 100% of the cases (of patients who expired within 30 days of admission) where the observed rates exceeded the predicted rates even though the standard deviation for the two applicable conditions reflected little chance that the difference warranted further study. In addition, a representative sample of all other conditions was reviewed to assure an encompassing sample. Of importance is that 100% of all our admissions are reviewed concurrently through our QA process. All admissions undergo a very vigorous review that is both broad in scope and quite assertive in its effort to assure the highest quality patient care. Highly skilled staff daily carry out an intensive review process which scrutinizes a multitude of variables in the provision of patient care. Since peer review is an integral part of this process, the medical staff's continuous involvement

617-522-5800
Allandale at Centre Street, Boston, MA 02130

A teaching affiliate [illegible] University School of Medicine and a program affiliate of Harvard Medical School

reinforces the significance of and commitment to the quality assurance program. Our findings in the re-review of the above-mentioned cases revealed no significant issues or trends.

This finding is corroborated in part by the MassPRO who bimonthly reviews a sample of all Medicare discharges. Applicable to our representative sample, we are pleased to report that MassPRO found NO quality issues or problems. Our review did reveal a critically ill and remarkably elderly population who had significant co-morbid conditions. We conducted an extensive review on a variety of levels which revealed no clustering of cases, no trends and no quality issues. It is noteworthy to point out that many of these cases, in addition to our concurrent review process, have also (concurrently) undergone significant collateral reviews, such as readmission review (100% of all patients readmitted within 31 days of discharge) complications review (100%), mortality review (100%). In addition, all patient care areas and all health care providers are subject to extensive review processes that encompass substantial indicators of care.

As such, it is quite important to comment on the HCFA model which still lacks the ability to include a severity component and thus substantially and regrettably limits the use of this data to serve as a screen/tool to identify potential quality concerns.

In addition, since HCFA has adjusted its model to now look at longer intervals of time, post admission, it becomes increasingly difficult to interpret this data, i.e., deaths, 90 and 180 days post admission, as individual patient events and interventions (both medical and otherwise) subsequent to the analyzed admission may and very likely would have significant influence in leading to the patient's demise.

Having quite recently undergone a rigorous and comprehensive review by the JCAHO, for which we are proud to report that we have received a 3 year accreditation for substantial compliance with their state of the art standards, it is not surprising that institutionally and personally we take great pride in our QA program and process. Through a very indepth process of systematic review and evaluation, assessment and analysis, recommendations, actions and follow-up to assure both attaining and sustaining a desired outcome, we devote significant resources and embody a broad group of participants. Working with our Quality Assurance Committee and quality assurance staff, our governing body, our medical staff, our management team, nursing staff and all departments directly and indirectly related to patient care continuously strive to assure and maintain the highest level of quality care.

Sincerely,

Elaine S. Ullian
Elaine S. Ullian
President

Enclosure

FRAMINGHAM UNION HOSPITAL

115 Lincoln St
Framingham, MA 01701

Medicare Provider Number: 220089

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	1,914	11.0	11.0	1.0	17.0	16.9	1.0	20.6	21.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	77	41.6	26.2	7.4	46.8	29.5	7.9	49.4	32.7	8.4
Congestive Heart Failure	118	22.0	18.6	5.4	33.9	28.0	7.4	40.7	35.2	7.2
Pneumonia/Influenza	72	18.1	19.6	5.4	26.4	26.1	5.6	31.9	30.9	6.5
Chronic Obstructive Pulmonary Disease	4	25.0	5.0	*	25.0	10.0	*	50.0	14.6	*
Transient Cerebral Ischemia	34	0.0	2.0	*	2.9	4.5	*	5.9	7.1	*
Stroke	70	21.4	22.1	5.9	28.6	29.3	7.3	30.0	33.7	7.2
Hip Fracture	76	3.9	8.1	5.3	7.9	14.7	7.6	13.2	19.0	7.6
Sepsis	17	35.3	27.8	*	47.1	37.4	*	47.1	44.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	3.2	*	0.0	5.8	*	0.0	8.4	*
Carotid Endarterectomy	9	0.0	1.6	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	32	6.3	6.9	*	9.4	12.5	*	9.4	16.2	*
Open Reduction of Hip Fracture	48	2.1	7.9	*	8.3	14.8	*	16.7	19.5	*
Prostatectomy	59	0.0	0.8	1.4	0.0	2.1	2.6	0.0	3.5	3.8
Cholecystectomy	19	10.5	4.5	*	15.8	8.0	*	15.8	10.1	*
Hysterectomy	10	0.0	1.1	*	0.0	2.1	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	266
Occupancy Rate	62
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	300
Percent of Physicians Board Certified Specialists	93
Medical Residents/Interns	41
Registered Nurses	340
Licensed Practical Nurses	18

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FRAMINGHAM UNION HOSPITAL

Medicare Provider Number: 220089

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,069	11.2	11.7	1.2	17.3	17.6	1.2	21.4	21.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	77	26.0	30.3	6.3	31.2	34.0	5.6	39.0	37.5	6.1
Congestive Heart Failure	109	15.6	19.2	4.8	22.9	28.3	6.9	32.1	35.4	6.7
Pneumonia/Influenza	81	23.5	20.8	5.4	25.9	27.3	5.2	32.1	32.1	5.3
Chronic Obstructive Pulmonary Disease	7	14.3	13.3	*	14.3	23.5	*	28.6	31.3	*
Transient Cerebral Ischemia	35	8.6	2.2	*	8.6	4.9	*	8.6	7.7	*
Stroke	75	14.7	26.4	6.5	26.7	34.3	6.5	32.0	39.2	6.5
Hip Fracture	85	5.9	7.8	3.2	11.8	14.1	4.7	12.9	17.8	6.3
Sepsis	21	33.3	28.1	*	47.6	36.7	*	57.1	42.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	10.5	*	14.3	14.5	*	14.3	17.6	*
Carotid Endarterectomy	10	0.0	1.2	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction	56	1.8	4.0	3.0	1.8	7.6	4.5	5.4	9.9	4.7
Open Reduction of Hip Fracture	40	0.0	7.0	*	7.5	13.1	*	7.5	16.9	*
Prostatectomy	48	0.0	0.9	*	2.1	2.4	*	2.1	4.0	*
Cholecystectomy	32	3.1	2.8	*	9.4	5.1	*	12.5	6.5	*
Hysterectomy	15	6.7	1.2	*	6.7	2.5	*	6.7	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,011	12.9	11.4	1.0	19.2	17.1	1.3	22.7	21.3	1.1
CONDITIONS:										
Acute Myocardial Infarction	85	52.9	31.3	6.8	56.5	35.0	6.8	56.5	38.4	6.8
Congestive Heart Failure	88	18.2	18.3	4.3	26.1	27.1	5.2	31.8	34.2	5.9
Pneumonia/Influenza	55	18.2	17.5	5.2	25.5	23.7	5.9	27.3	28.2	6.2
Chronic Obstructive Pulmonary Disease	14	14.3	11.8	*	21.4	20.3	*	21.4	26.9	*
Transient Cerebral Ischemia	34	0.0	2.0	*	2.9	4.2	*	2.9	6.6	*
Stroke	88	29.5	24.2	7.4	38.6	31.6	10.1	42.0	36.1	9.1
Hip Fracture	72	8.3	6.3	5.4	18.1	11.7	8.6	20.8	15.3	9.2
Sepsis	20	20.0	25.2	*	30.0	34.0	*	35.0	40.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	0.0	3.1	*	0.0	6.3	*	4.0	9.3	*
Carotid Endarterectomy	8	0.0	1.6	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	38	5.3	4.5	*	15.8	8.9	*	18.4	12.0	*
Open Reduction of Hip Fracture	35	11.4	5.8	*	14.3	11.1	*	14.3	14.7	*
Prostatectomy	51	0.0	1.6	2.4	3.9	3.8	2.8	7.8	6.2	3.9
Cholecystectomy	26	3.8	3.4	*	3.8	6.2	*	3.8	8.1	*
Hysterectomy	13	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FRANKLIN MEDICAL CENTER

164 High St
Greenfield, MA 01301

Medicare Provider Number: 220016

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,325	11.8	10.6	1.4	17.1	15.6	1.8	20.7	19.5	2.0
CONDITIONS:										
Acute Myocardial Infarction	78	35.9	26.2	10.1	38.5	29.7	10.6	39.7	33.1	9.2
Congestive Heart Failure	75	16.0	14.3	4.6	22.7	22.0	4.8	28.0	28.6	5.3
Pneumonia/Influenza	77	9.1	17.2	6.2	19.5	23.2	6.2	27.3	27.9	5.1
Chronic Obstructive Pulmonary Disease	18	11.1	8.6	*	16.7	15.0	*	16.7	20.7	*
Transient Cerebral Ischemia	11	0.0	1.9	*	0.0	4.1	*	0.0	6.6	*
Stroke	74	12.2	21.7	6.8	20.3	28.4	6.7	21.6	32.9	8.1
Hip Fracture	38	2.6	5.6	*	7.9	10.2	*	13.2	13.3	*
Sepsis	11	36.4	29.4	*	36.4	35.2	*	36.4	41.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	5.2	*	0.0	10.6	*	0.0	15.1	*
Carotid Endarterectomy	1	0.0	2.1	*	0.0	3.7	*	0.0	5.6	*
Hip Replacement/Reconstruction	34	0.0	3.0	*	8.8	6.0	*	8.8	8.4	*
Open Reduction of Hip Fracture	18	0.0	5.8	*	0.0	10.8	*	5.6	14.2	*
Prostatectomy	30	0.0	0.9	*	0.0	2.3	*	3.3	4.0	*
Cholecystectomy	12	0.0	2.8	*	8.3	5.3	*	8.3	7.0	*
Hysterectomy	19	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	128
Occupancy Rate	71
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	73
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	0
Registered Nurses	132
Licensed Practical Nurses	18

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FRANKLIN MEDICAL CENTER

Medicare Provider Number: 220016

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	1,015	9.6	9.5	1.1	15.3	14.2	1.4	19.0	17.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	53	22.6	29.8	7.5	24.5	33.6	8.6	24.5	37.4	9.7
Congestive Heart Failure	44	15.9	16.5	*	34.1	25.4	*	40.9	32.6	*
Pneumonia/Influenza	67	26.9	17.0	8.7	41.8	22.9	7.9	46.3	27.5	9.0
Chronic Obstructive Pulmonary Disease	5	0.0	5.8	*	0.0	12.1	*	0.0	17.7	*
Transient Cerebral Ischemia	14	0.0	2.5	*	14.3	5.6	*	14.3	9.0	*
Stroke	46	15.2	21.7	*	23.9	28.7	*	28.3	33.4	*
Hip Fracture	46	0.0	6.6	*	6.5	12.3	*	10.9	16.0	*
Sepsis	1	0.0	22.7	*	0.0	28.2	*	0.0	33.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	4.3	*	12.5	9.3	*	25.0	13.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	27	3.7	3.1	*	3.7	6.4	*	7.4	9.1	*
Open Reduction of Hip Fracture	28	0.0	6.3	*	10.7	12.1	*	10.7	16.0	*
Prostatectomy	29	3.4	1.3	*	3.4	3.3	*	6.9	5.4	*
Cholecystectomy	18	0.0	1.5	*	5.6	2.9	*	5.6	4.0	*
Hysterectomy	13	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	981	11.0	8.7	1.3	15.2	13.2	1.4	18.7	16.8	1.5
CONDITIONS:										
Acute Myocardial Infarction	51	27.5	25.1	6.4	31.4	29.2	6.6	37.3	32.9	7.2
Congestive Heart Failure	43	25.6	14.0	*	30.2	21.6	*	37.2	28.0	*
Pneumonia/Influenza	37	21.6	15.1	*	27.0	20.9	*	32.4	25.6	*
Chronic Obstructive Pulmonary Disease	5	20.0	9.9	*	20.0	18.9	*	20.0	26.0	*
Transient Cerebral Ischemia	11	0.0	2.0	*	0.0	4.4	*	0.0	7.1	*
Stroke	53	32.1	23.4	7.7	34.0	30.7	9.2	43.4	35.2	8.2
Hip Fracture	39	5.1	6.0	*	12.8	11.2	*	20.5	14.8	*
Sepsis	6	50.0	31.7	*	66.7	41.6	*	66.7	48.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	7.5	*	11.1	12.3	*	22.2	15.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	16	0.0	4.0	*	6.3	8.2	*	12.5	11.2	*
Open Reduction of Hip Fracture	18	0.0	5.8	*	11.1	11.1	*	16.7	14.7	*
Prostatectomy	43	4.7	1.2	*	4.7	3.0	*	9.3	4.9	*
Cholecystectomy	13	0.0	1.7	*	0.0	2.8	*	0.0	3.6	*
Hysterectomy	13	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GLOVER MEMORIAL HOSPITAL

148 Chestnut St
Needham, MA 02192

Medicare Provider Number: 220083

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	973	9.7	10.3	1.4	14.0	15.9	2.0	18.3	20.3	2.4
CONDITIONS:										
Acute Myocardial Infarction	28	39.3	33.3	*	42.9	37.6	*	46.4	41.5	*
Congestive Heart Failure	54	11.1	18.5	6.7	14.8	28.5	8.5	18.5	36.0	9.8
Pneumonia/Influenza	44	18.2	17.8	*	25.0	24.3	*	27.3	29.4	*
Chronic Obstructive Pulmonary Disease	11	0.0	8.8	*	0.0	15.7	*	27.3	21.6	*
Transient Cerebral Ischemia	16	0.0	2.3	*	0.0	4.9	*	12.5	7.8	*
Stroke	39	20.5	21.9	*	23.1	29.5	*	25.6	34.1	*
Hip Fracture	31	3.2	6.5	*	16.1	11.5	*	16.1	14.9	*
Sepsis	13	23.1	25.4	*	23.1	34.2	*	46.2	40.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	6.7	*	7.7	11.3	*	15.4	15.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	22	0.0	3.4	*	4.5	6.6	*	4.5	8.8	*
Open Reduction of Hip Fracture	18	5.6	6.2	*	22.2	11.2	*	22.2	14.4	*
Prostatectomy	42	2.4	1.0	*	7.1	2.6	*	7.1	4.6	*
Cholecystectomy	11	9.1	5.5	*	9.1	7.9	*	9.1	9.0	*
Hysterectomy	3	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	77
Occupancy Rate	74
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	59
Percent of Physicians Board Certified Specialists	81
Medical Residents/Interns	0
Registered Nurses	68
Licensed Practical Nurses	7

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GLOVER MEMORIAL HOSPITAL

Medicare Provider Number: 220083

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	884	8.6	9.5	1.5	13.8	15.0	1.4	18.6	19.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	26	34.6	23.9	*	38.5	27.0	*	38.5	30.5	*
Congestive Heart Failure	44	13.6	19.2	*	15.9	29.3	*	29.5	36.9	*
Pneumonia/Influenza	32	9.4	19.6	*	25.0	26.9	*	28.1	32.2	*
Chronic Obstructive Pulmonary Disease	10	0.0	7.4	*	0.0	14.0	*	10.0	19.5	*
Transient Cerebral Ischemia	17	5.9	2.3	*	5.9	5.1	*	17.6	7.9	*
Stroke	30	36.7	20.8	*	43.3	28.6	*	46.7	33.5	*
Hip Fracture	37	10.8	7.9	*	21.6	14.6	*	24.3	18.9	*
Sepsis	12	8.3	29.8	*	33.3	40.0	*	33.3	46.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	8.5	*	13.3	13.5	*	13.3	17.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	18	0.0	5.0	*	5.6	9.5	*	5.6	12.6	*
Open Reduction of Hip Fracture	15	6.7	6.8	*	13.3	13.4	*	20.0	17.8	*
Prostatectomy	26	0.0	1.0	*	3.8	2.5	*	11.5	4.2	*
Cholecystectomy	14	0.0	3.6	*	0.0	6.3	*	7.1	7.9	*
Hysterectomy	1	0.0	0.6	*	0.0	1.6	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	861	9.4	11.0	1.6	14.9	16.6	1.8	18.9	20.9	1.9
CONDITIONS:										
Acute Myocardial Infarction	33	21.2	37.2	*	30.3	41.7	*	30.3	46.0	*
Congestive Heart Failure	52	21.2	18.6	6.1	25.0	28.4	7.4	30.8	36.1	11.2
Pneumonia/Influenza	27	3.7	14.9	*	11.1	21.3	*	14.8	26.2	*
Chronic Obstructive Pulmonary Disease	5	0.0	7.5	*	20.0	13.0	*	20.0	17.7	*
Transient Cerebral Ischemia	16	0.0	2.4	*	6.3	5.2	*	12.5	8.3	*
Stroke	33	30.3	24.0	*	36.4	31.7	*	51.5	36.5	*
Hip Fracture	33	3.0	6.8	*	12.1	12.1	*	12.1	15.5	*
Sepsis	16	18.8	29.5	*	25.0	37.4	*	37.5	43.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	8.3	*	16.7	13.4	*	16.7	18.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	6.5	*	7.7	11.8	*	7.7	15.1	*
Open Reduction of Hip Fracture	12	0.0	5.6	*	8.3	10.7	*	8.3	14.2	*
Prostatectomy	26	7.7	1.4	*	7.7	3.2	*	7.7	5.1	*
Cholecystectomy	14	0.0	2.1	*	0.0	3.6	*	0.0	4.7	*
Hysterectomy	4	25.0	1.9	*	25.0	4.4	*	25.0	7.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Glover Memorial Hospital

January 11, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

We are in receipt of data relating to hospital mortality statistics sent to us on December 6, 1990. We thank you for the detailed analysis and reports that you have sent to us.

We are sorry to report to you that we never received an answer to our previous communication dated October 20, 1989 relating to previous mortality statistics for the years 1986, 1987, and 1988. While you invited comments, you did not honor the request for a reply that we requested and we find this disappointing. For that reason, we are including last year's reply to you once more with an attachment, hoping again that you will respond to this a year later.

With regard to this year's statistics, we are pleased to note that we fall well within the predicted range percentage in all categories except one which I have reviewed carefully, i.e. open reduction of hip fractures for the year 1989, with an observed mortality rate of 22.2 and a predicted mortality rate of 11.2.

Careful analysis of all of these cases reveals that they are indeed a fragile group of very elderly patients. None but one died within the hospital, practically all of them were returned to nursing homes and the mode of death in all cases is not certain at this point. It should be pointed out that many of them had aspiration pneumonias while they were in the hospital.

One interesting finding was that, while you are quoting mortality statistics, I would like to point out to you that I found some who would find announcement of their demise premature, i.e. they are very much alive. I saw one of them walking on the main streets of our town

148 Chestnut Street Needham Massachusetts 02192 (617) 444-5600

approximately a month ago and I saw one of them in my office as recently as three months ago; that is, a year after their statistically recorded demise. I wonder if you have any comments about that and, again, we invite your reply to our observations.

Rest assured that our screening and quality assurance program diligently continues in operation and that your correspondence to us in this regard is helpful albeit with some errors contained therein.

Sincerely yours,

H Bauer

Harry Bauer, M.D.
Patient Care Assessment Coordinator

HBph

cc: Board Level Patient Care Assessment Committee
Frank Niro, Administrator
Medical Staff Executive Committee

GODDARD MEMORIAL HOSPITAL

909 Summer St
Stoughton, MA 02072

Medicare Provider Number: 220111

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,608	6.5	8.2	0.9	10.8	12.9	1.1	13.9	16.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	61	31.1	25.1	7.7	34.4	28.6	7.9	34.4	32.0	6.6
Congestive Heart Failure	85	21.2	16.1	5.0	25.9	25.1	5.0	30.6	32.4	6.2
Pneumonia/Influenza	54	14.8	15.0	4.9	18.5	20.7	5.9	18.5	25.3	8.3
Chronic Obstructive Pulmonary Disease	13	7.7	10.0	*	15.4	15.3	*	15.4	19.7	*
Transient Cerebral Ischemia	26	0.0	1.6	*	0.0	3.6	*	0.0	5.5	*
Stroke	61	8.2	18.5	7.9	16.4	25.5	8.3	23.0	29.9	6.7
Hip Fracture	37	2.7	7.9	*	8.1	13.8	*	10.8	17.4	*
Sepsis	7	14.3	22.2	*	14.3	29.7	*	14.3	34.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	34	5.9	4.3	*	8.8	8.1	*	17.6	11.5	*
Carotid Endarterectomy	4	0.0	1.4	*	0.0	2.9	*	0.0	4.5	*
Hip Replacement/Reconstruction	17	0.0	4.6	*	5.9	8.1	*	5.9	10.2	*
Open Reduction of Hip Fracture	12	0.0	6.2	*	8.3	11.3	*	8.3	14.6	*
Prostatectomy	33	0.0	1.4	*	0.0	3.6	*	3.0	6.0	*
Cholecystectomy	32	3.1	2.4	*	3.1	4.3	*	3.1	5.8	*
Hysterectomy	16	0.0	0.3	*	0.0	0.7	*	6.3	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	236
Occupancy Rate	79
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	148
Percent of Physicians Board Certified Specialists	87
Medical Residents/Interns	0
Registered Nurses	216
Licensed Practical Nurses	71

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

GODDARD MEMORIAL HOSPITAL

Medicare Provider Number: 220111

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,517	8.2	9.2	1.2	12.9	13.9	1.5	16.0	17.6	1.5
CONDITIONS:										
Acute Myocardial Infarction	86	23.3	28.9	6.9	32.6	32.5	7.1	36.0	36.2	5.2
Congestive Heart Failure	78	14.1	16.3	6.4	17.9	25.1	7.7	30.8	32.2	5.5
Pneumonia/Influenza	65	21.5	19.0	5.2	23.1	25.5	5.8	30.8	30.4	5.8
Chronic Obstructive Pulmonary Disease	4	0.0	5.6	*	0.0	12.1	*	0.0	18.8	*
Transient Cerebral Ischemia	28	0.0	2.0	*	0.0	4.3	*	3.6	6.7	*
Stroke	61	19.7	18.8	5.7	24.6	26.2	7.9	27.9	30.8	10.0
Hip Fracture	36	2.8	7.0	*	11.1	12.0	*	11.1	15.1	*
Sepsis	14	0.0	18.3	*	21.4	26.4	*	21.4	32.1	*
PROCEDURES:										
Angioplasty	1	0.0	2.3	*	0.0	3.7	*	0.0	4.7	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	31	12.9	10.7	*	12.9	15.2	*	19.4	19.0	*
Carotid Endarterectomy	5	0.0	1.4	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	17	0.0	2.4	*	5.9	4.7	*	5.9	6.3	*
Open Reduction of Hip Fracture	13	0.0	7.0	*	7.7	12.6	*	7.7	15.9	*
Prostatectomy	37	0.0	0.9	*	2.7	2.0	*	2.7	3.2	*
Cholecystectomy	21	0.0	2.6	*	0.0	5.0	*	0.0	7.0	*
Hysterectomy	11	0.0	1.6	*	0.0	2.4	*	0.0	3.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,357	7.4	9.7	1.1	11.9	14.6	1.3	16.1	18.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	78	19.2	31.1	9.1	23.1	34.8	8.8	25.6	38.6	7.7
Congestive Heart Failure	96	16.7	18.2	4.2	26.0	27.3	4.7	31.3	34.9	7.2
Pneumonia/Influenza	34	5.9	16.5	*	14.7	22.7	*	17.6	27.5	*
Chronic Obstructive Pulmonary Disease	8	0.0	9.3	*	12.5	17.1	*	25.0	23.3	*
Transient Cerebral Ischemia	32	0.0	2.5	*	3.1	5.5	*	3.1	8.6	*
Stroke	51	19.6	19.3	7.5	21.6	26.0	8.4	21.6	30.2	9.8
Hip Fracture	31	12.9	7.4	*	16.1	12.9	*	19.4	16.2	*
Sepsis	19	5.3	19.5	*	5.3	27.5	*	15.8	32.9	*
PROCEDURES:										
Angioplasty	1	0.0	2.2	*	0.0	3.7	*	0.0	4.6	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	5.6	5.4	*	11.1	10.3	*	11.1	14.5	*
Carotid Endarterectomy	5	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	10	0.0	2.9	*	10.0	5.3	*	10.0	7.1	*
Open Reduction of Hip Fracture	8	0.0	5.9	*	0.0	11.6	*	12.5	15.5	*
Prostatectomy	34	0.0	1.2	*	2.9	3.0	*	11.8	5.1	*
Cholecystectomy	22	0.0	3.4	*	0.0	5.4	*	4.5	6.8	*
Hysterectomy	7	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

HANNEMANN HOSPITAL

1515 Commonwealth Ave
Brighton, MA 02135

Medicare Provider Number: 220120

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	569	5.4	7.2	1.4	11.2	12.6	2.2	14.8	17.5	2.1
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	5.0	*	0.0	8.1	*	0.0	10.9	*
Congestive Heart Failure	12	25.0	20.5	*	33.3	30.8	*	33.3	38.9	*
Pneumonia/Influenza	41	17.1	30.1	*	26.8	39.5	*	36.6	46.5	*
Chronic Obstructive Pulmonary Disease	2	0.0	15.2	*	0.0	27.6	*	0.0	36.5	*
Transient Cerebral Ischemia	1	100.0	3.2	*	100.0	7.0	*	100.0	10.6	*
Stroke	2	50.0	40.5	*	100.0	57.7	*	100.0	65.2	*
Hip Fracture	4	0.0	9.7	*	0.0	18.0	*	0.0	23.8	*
Sepsis	8	37.5	37.6	*	50.0	51.9	*	50.0	61.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	11.1	*	0.0	20.9	*	0.0	27.4	*
Open Reduction of Hip Fracture	0									
Prostatectomy	8	12.5	1.7	*	25.0	4.8	*	37.5	8.8	*
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1991

Total Beds	65
Ownership/Control	Private, Non-Profit

STAFFING:

Medical Residents/Interns	0
Registered Nurses	27
Licensed Practical Nurses	4

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	No
Hospice	No
Intensive Care Unit	No
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

HANNEMANN HOSPITAL

Medicare Provider Number: 220120

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	656	4.7	8.7	1.1	10.1	14.6	1.5	14.8	19.5	1.7
CONDITIONS:										
Acute Myocardial Infarction	2	50.0	23.9	*	50.0	29.7	*	50.0	35.2	*
Congestive Heart Failure	6	50.0	22.2	*	66.7	31.9	*	66.7	39.7	*
Pneumonia/Influenza	46	17.4	29.7	*	23.9	38.7	*	34.8	45.1	*
Chronic Obstructive Pulmonary Disease	2	0.0	17.0	*	50.0	32.8	*	50.0	44.3	*
Transient Cerebral Ischemia	2	0.0	5.0	*	0.0	10.7	*	0.0	16.2	*
Stroke	6	0.0	29.0	*	16.7	39.9	*	50.0	46.1	*
Hip Fracture	3	0.0	8.4	*	0.0	15.4	*	0.0	20.0	*
Sepsis	14	28.6	36.3	*	64.3	47.3	*	71.4	55.9	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	8.4	*	0.0	15.6	*	0.0	20.0	*
Open Reduction of Hip Fracture	1	0.0	6.3	*	0.0	13.1	*	0.0	18.2	*
Prostatectomy	3	0.0	3.9	*	0.0	9.5	*	0.0	15.5	*
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	682	5.0	7.8	1.3	9.8	13.6	1.7	13.6	18.5	2.0
CONDITIONS:										
Acute Myocardial Infarction	2	50.0	24.7	*	50.0	28.6	*	50.0	32.3	*
Congestive Heart Failure	11	0.0	27.2	*	18.2	39.9	*	27.3	48.9	*
Pneumonia/Influenza	32	18.8	28.6	*	28.1	37.7	*	34.4	44.6	*
Chronic Obstructive Pulmonary Disease	1	0.0	20.8	*	0.0	39.7	*	0.0	53.4	*
Transient Cerebral Ischemia	4	0.0	1.9	*	0.0	4.2	*	0.0	6.5	*
Stroke	3	33.3	32.5	*	33.3	47.9	*	33.3	56.0	*
Hip Fracture	4	0.0	13.1	*	25.0	25.1	*	25.0	33.4	*
Sepsis	11	27.3	37.3	*	27.3	45.7	*	27.3	52.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	7.7	*	0.0	19.0	*	0.0	30.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	12.8	*	20.0	24.1	*	20.0	31.7	*
Open Reduction of Hip Fracture	1	0.0	10.7	*	0.0	21.3	*	0.0	29.7	*
Prostatectomy	5	0.0	1.7	*	0.0	4.8	*	0.0	8.5	*
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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HAHNEMANN HOSPITAL

January 15, 1991

Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Sandra Kappart

Dear Ms. Kappart:

The Hahnemann Hospital is currently licensed as a 53 bed acute care facility with approximately 120 discharges per month, 70% of which are elderly nursing home patients. Our facility does not have an emergency room, nor do we perform any high risk surgeries.

The mortality data published on our facility for 1987, 1988 and 1989 in all categories are based on a sample size too small to permit satisfactory estimation of the standard deviation.

Hahnemann Hospital has an active and ongoing Medical Staff Quality Assurance program, whose function is to monitor the quality of care given to our patients and in conjunction with this, mortality statistics are reviewed on a monthly basis.

Although our mortality rates for the three years monitored remain below the predicted rate in most categories, we are committed to giving continued quality care to all our patients.

Sincerely,

Robert J. Ingala

Robert J. Ingala
Vice President for Finance

cc: James Long
Chief Executive Officer

1515 Commonwealth Avenue, Boston, Massachusetts 02135 (617) 254-1100

HARRINGTON MEMORIAL HOSPITAL

100 South St
Southbridge, MA 01550

Medicare Provider Number: 220019

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,018	8.5	8.7	0.9	13.9	13.5	1.1	18.0	17.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	28	32.1	24.7	*	46.4	27.3	*	46.4	30.4	*
Congestive Heart Failure	59	11.9	15.0	6.9	20.3	23.3	6.0	32.2	30.2	6.6
Pneumonia/Influenza	47	14.9	15.8	*	21.3	21.4	*	25.5	26.0	*
Chronic Obstructive Pulmonary Disease	12	16.7	6.2	*	16.7	11.3	*	25.0	15.7	*
Transient Cerebral Ischemia	22	4.5	1.6	*	4.5	3.5	*	4.5	5.6	*
Stroke	42	19.0	21.0	*	26.2	28.0	*	26.2	32.6	*
Hip Fracture	35	5.7	4.4	*	11.4	8.3	*	11.4	11.2	*
Sepsis	12	25.0	23.6	*	33.3	29.9	*	41.7	36.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	3.7	*	0.0	5.8	*	0.0	7.7	*
Carotid Endarterectomy	2	0.0	2.4	*	0.0	5.3	*	0.0	8.0	*
Hip Replacement/Reconstruction	29	3.4	2.0	*	3.4	4.0	*	3.4	5.6	*
Open Reduction of Hip Fracture	15	6.7	4.4	*	13.3	8.7	*	13.3	11.9	*
Prostatectomy	37	0.0	2.0	*	5.4	4.9	*	13.5	8.1	*
Cholecystectomy	19	5.3	3.4	*	5.3	6.6	*	5.3	9.2	*
Hysterectomy	4	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	121
Occupancy Rate	73
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	57
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	0
Registered Nurses	75
Licensed Practical Nurses	20

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HARRINGTON MEMORIAL HOSPITAL

Medicare Provider Number: 220019

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,002	9.7	10.0	1.0	15.5	15.2	1.3	19.6	19.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	37	29.7	31.6	*	32.4	35.0	*	37.8	38.5	*
Congestive Heart Failure	54	27.8	18.0	7.7	35.2	27.7	7.7	44.4	35.1	8.7
Pneumonia/Influenza	48	20.8	17.7	*	27.1	23.7	*	29.2	28.5	*
Chronic Obstructive Pulmonary Disease	9	11.1	5.6	*	22.2	10.4	*	44.4	14.6	*
Transient Cerebral Ischemia	18	0.0	2.5	*	0.0	5.6	*	0.0	8.8	*
Stroke	37	24.3	19.7	*	32.4	26.3	*	35.1	30.8	*
Hip Fracture	34	5.9	6.8	*	8.8	12.5	*	11.8	16.2	*
Sepsis	13	38.5	35.7	*	38.5	43.7	*	38.5	49.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.2	*	0.0	6.2	*	20.0	9.2	*
Carotid Endarterectomy	6	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	26	3.8	4.5	*	7.7	8.6	*	7.7	11.3	*
Open Reduction of Hip Fracture	13	7.7	6.8	*	7.7	12.9	*	15.4	17.2	*
Prostatectomy	31	3.2	1.3	*	3.2	3.3	*	3.2	5.6	*
Cholecystectomy	9	0.0	0.9	*	0.0	1.6	*	0.0	2.3	*
Hysterectomy	3	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,019	9.4	9.2	1.2	14.8	13.9	1.3	18.2	17.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	37	32.4	26.7	*	35.1	29.6	*	35.1	32.9	*
Congestive Heart Failure	41	19.5	16.2	*	24.4	23.7	*	34.1	30.4	*
Pneumonia/Influenza	25	12.0	16.6	*	20.0	22.7	*	24.0	27.3	*
Chronic Obstructive Pulmonary Disease	14	7.1	6.9	*	21.4	13.0	*	21.4	18.1	*
Transient Cerebral Ischemia	20	0.0	2.0	*	0.0	4.4	*	0.0	7.0	*
Stroke	50	24.0	22.7	*	36.0	30.0	*	40.0	34.8	*
Hip Fracture	27	3.7	5.9	*	14.8	10.7	*	14.8	14.0	*
Sepsis	7	0.0	24.4	*	0.0	31.4	*	0.0	37.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	2.1	*	25.0	5.0	*	25.0	8.0	*
Carotid Endarterectomy	3	33.3	1.5	*	33.3	2.6	*	33.3	3.5	*
Hip Replacement/Reconstruction	19	0.0	4.8	*	10.5	9.0	*	10.5	11.7	*
Open Reduction of Hip Fracture	12	0.0	4.5	*	8.3	8.5	*	8.3	11.4	*
Prostatectomy	51	5.9	1.3	3.4	7.8	3.3	4.0	7.8	5.7	4.5
Cholecystectomy	15	13.3	2.7	*	20.0	5.0	*	20.0	6.9	*
Hysterectomy	6	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HAVERHILL MUNICIPAL HOSPITAL

140 Lincoln Avenue
Haverhill, MA 01830

Medicare Provider Number: 220041

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,550	9.6	10.6	1.2	15.3	15.8	1.2	19.4	19.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	80	18.8	28.9	7.6	18.8	32.4	8.4	25.0	36.0	8.3
Congestive Heart Failure	127	13.4	16.3	6.3	22.8	25.5	5.0	29.9	32.7	5.2
Pneumonia/Influenza	110	16.4	17.7	5.9	20.0	24.2	6.0	28.2	29.0	4.6
Chronic Obstructive Pulmonary Disease	27	3.7	9.1	*	7.4	16.1	*	7.4	21.9	*
Transient Cerebral Ischemia	27	0.0	1.9	*	3.7	4.4	*	3.7	7.1	*
Stroke	55	21.8	23.2	6.0	32.7	30.2	7.1	40.0	34.9	7.5
Hip Fracture	43	9.3	7.8	*	18.6	14.3	*	23.3	18.7	*
Sepsis	13	23.1	23.2	*	38.5	30.6	*	38.5	36.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	6.0	*	14.3	12.2	*	14.3	17.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	27	3.7	5.1	*	14.8	9.7	*	14.8	13.0	*
Open Reduction of Hip Fracture	20	15.0	6.6	*	25.0	12.5	*	30.0	16.5	*
Prostatectomy	31	3.2	0.9	*	9.7	2.2	*	12.9	3.8	*
Cholecystectomy	24	0.0	2.6	*	0.0	4.7	*	0.0	6.1	*
Hysterectomy	10	0.0	0.6	*	0.0	1.4	*	10.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	151
Occupancy Rate	87
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	95
Percent of Physicians Board Certified Specialists	80
Medical Residents/Interns	0
Registered Nurses	159
Licensed Practical Nurses	51

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HAVERHILL MUNICIPAL HOSPITAL

Medicare Provider Number: 220041

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,541	11.6	11.5	0.8	17.5	16.8	1.2	21.5	20.9	1.4
CONDITIONS:										
Acute Myocardial Infarction	83	44.6	33.3	9.6	50.6	37.1	10.1	53.0	40.8	9.4
Congestive Heart Failure	133	15.8	18.2	4.1	27.8	27.7	4.0	34.6	35.1	4.2
Pneumonia/Influenza	90	26.7	23.9	6.4	38.9	31.4	8.3	44.4	36.8	9.9
Chronic Obstructive Pulmonary Disease	30	6.7	6.3	*	13.3	11.6	*	16.7	16.0	*
Transient Cerebral Ischemia	25	0.0	1.8	*	0.0	3.9	*	4.0	6.2	*
Stroke	65	12.3	20.6	9.0	18.5	27.7	9.4	27.7	32.5	7.4
Hip Fracture	56	7.1	6.7	3.6	14.3	12.1	5.6	21.4	15.6	8.8
Sepsis	14	28.6	39.3	*	28.6	49.3	*	42.9	55.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	6.1	*	16.7	9.0	*	16.7	11.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	20	10.0	4.1	*	20.0	8.3	*	20.0	11.0	*
Open Reduction of Hip Fracture	34	8.8	5.5	*	11.8	10.2	*	20.6	13.4	*
Prostatectomy	38	2.6	1.3	*	2.6	3.2	*	5.3	5.2	*
Cholecystectomy	27	3.7	3.1	*	3.7	5.6	*	3.7	7.1	*
Hysterectomy	6	0.0	0.3	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,612	11.5	11.3	0.8	16.6	16.7	0.9	20.7	20.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	95	31.6	32.7	5.0	36.8	36.2	5.0	37.9	39.6	5.5
Congestive Heart Failure	137	12.4	17.7	6.2	20.4	26.5	7.6	27.0	33.7	7.3
Pneumonia/Influenza	95	17.9	20.3	4.5	27.4	27.0	5.1	34.7	32.1	5.2
Chronic Obstructive Pulmonary Disease	22	4.5	8.7	*	4.5	14.8	*	13.6	19.7	*
Transient Cerebral Ischemia	35	2.9	2.6	*	5.7	5.8	*	11.4	9.3	*
Stroke	72	30.6	21.5	7.3	40.3	28.9	8.6	45.8	33.6	9.8
Hip Fracture	43	11.6	6.7	*	16.3	12.5	*	20.9	16.3	*
Sepsis	16	43.8	30.7	*	43.8	39.7	*	50.0	45.8	*
PROCEDURES:										
Angioplasty	2	0.0	3.3	*	50.0	5.1	*	50.0	6.2	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	3.4	*	6.7	6.9	*	13.3	10.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	25	0.0	3.5	*	0.0	7.1	*	4.0	9.7	*
Open Reduction of Hip Fracture	21	19.0	6.5	*	28.6	12.5	*	28.6	16.4	*
Prostatectomy	34	2.9	0.9	*	2.9	2.2	*	2.9	3.7	*
Cholecystectomy	29	6.9	4.8	*	6.9	8.3	*	10.3	10.4	*
Hysterectomy	7	0.0	0.4	*	0.0	1.0	*	14.3	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HENRY HEYWOOD MEMORIAL HOSPITAL

242 Green St
Gardner, MA 01440

Medicare Provider Number: 220095

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	1,107	13.5	10.2	1.3	18.5	15.3	1.4	21.9	19.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	54	38.9	28.1	9.7	42.6	32.2	9.6	46.3	35.9	9.7
Congestive Heart Failure	69	15.9	15.3	4.4	24.6	23.7	5.4	29.0	30.5	6.4
Pneumonia/Influenza	59	32.2	19.9	8.4	37.3	26.9	8.3	39.0	32.1	7.3
Chronic Obstructive Pulmonary Disease	10	10.0	4.5	*	20.0	7.6	*	20.0	10.6	*
Transient Cerebral Ischemia	20	0.0	2.0	*	0.0	4.5	*	0.0	7.1	*
Stroke	40	17.5	21.2	*	30.0	27.5	*	32.5	32.0	*
Hip Fracture	29	6.9	7.3	*	17.2	13.1	*	20.7	17.2	*
Sepsis	7	57.1	34.0	*	71.4	44.8	*	71.4	51.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	1.9	*	7.1	4.1	*	14.3	6.3	*
Carotid Endarterectomy	7	0.0	1.6	*	0.0	3.1	*	0.0	4.7	*
Hip Replacement/Reconstruction	7	0.0	1.5	*	0.0	3.1	*	0.0	4.4	*
Open Reduction of Hip Fracture	6	0.0	4.4	*	0.0	8.6	*	0.0	11.7	*
Prostatectomy	25	0.0	0.5	*	8.0	1.3	*	8.0	2.4	*
Cholecystectomy	11	0.0	1.7	*	0.0	2.9	*	0.0	3.6	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	128
Occupancy Rate	60
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	50
Percent of Physicians Board Certified Specialists	86
Medical Residents/Interns	0
Registered Nurses	97
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HENRY HEYWOOD MEMORIAL HOSPITAL

Medicare Provider Number: 220095

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,130	11.3	9.4	1.4	16.5	14.1	1.7	19.2	17.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	35	37.1	27.0	*	37.1	30.4	*	37.1	33.9	*
Congestive Heart Failure	71	26.8	18.8	9.9	36.6	29.3	9.8	43.7	37.4	9.5
Pneumonia/Influenza	68	20.6	16.8	5.9	23.5	22.7	6.1	27.9	27.1	5.5
Chronic Obstructive Pulmonary Disease	10	10.0	6.5	*	10.0	11.8	*	10.0	16.2	*
Transient Cerebral Ischemia	30	0.0	2.1	*	0.0	4.5	*	13.3	7.2	*
Stroke	18	27.8	19.2	*	27.8	26.4	*	33.3	31.3	*
Hip Fracture	30	10.0	7.0	*	16.7	12.5	*	20.0	15.8	*
Sepsis	17	35.3	29.9	*	41.2	36.8	*	47.1	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.8	*	66.7	6.6	*	66.7	10.8	*
Carotid Endarterectomy	3	0.0	1.1	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	11	0.0	4.1	*	9.1	7.4	*	9.1	9.5	*
Open Reduction of Hip Fracture	2	0.0	5.2	*	0.0	10.0	*	0.0	13.5	*
Prostatectomy	19	0.0	0.8	*	0.0	2.1	*	0.0	3.6	*
Cholecystectomy	18	0.0	2.0	*	0.0	3.7	*	0.0	4.8	*
Hysterectomy	5	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,173	11.8	9.2	1.3	16.2	13.9	1.5	20.5	17.5	1.6
CONDITIONS:										
Acute Myocardial Infarction	54	48.1	29.5	10.3	50.0	32.9	10.4	55.6	36.2	10.8
Congestive Heart Failure	64	14.1	16.0	6.2	17.2	24.3	7.9	18.8	31.0	10.2
Pneumonia/Influenza	45	20.0	18.0	*	28.9	24.4	*	37.8	29.4	*
Chronic Obstructive Pulmonary Disease	15	0.0	6.6	*	6.7	12.0	*	6.7	16.4	*
Transient Cerebral Ischemia	18	5.6	2.7	*	5.6	6.1	*	5.6	9.9	*
Stroke	18	27.8	28.6	*	38.9	35.5	*	50.0	40.0	*
Hip Fracture	24	16.7	8.3	*	20.8	14.5	*	29.2	18.5	*
Sepsis	13	30.8	29.0	*	38.5	37.0	*	53.8	44.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	2.4	*	0.0	5.1	*	0.0	7.9	*
Carotid Endarterectomy	11	0.0	1.3	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	8	0.0	4.5	*	0.0	8.2	*	12.5	10.5	*
Open Reduction of Hip Fracture	5	0.0	8.6	*	0.0	15.4	*	20.0	19.4	*
Prostatectomy	24	0.0	1.0	*	0.0	2.5	*	0.0	4.2	*
Cholecystectomy	22	4.5	1.7	*	4.5	2.7	*	4.5	3.3	*
Hysterectomy	6	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Henry Heywood Memorial Hospital

MORTALITY DATA COMMENTS

Medicare Provider #: 220095

I. *STATISTICAL REVIEW*

The statistical significance of variations from predicted values must be determined by comparing the observed value to a predicted range. Utilizing the Standard Deviations provided by HCFA to determine the range of predicted mortality at a 99% confidence level yields the following results:

1989–	Observed	Predicted Range
ALL CASES	13.5	6.9 - 13.6
Acute Myocardial Infarction	38.9	3.3 - 53.2
Congestive Heart Failure	15.9	4.1 - 26.7
Pneumonia	32.2	1.6 - 41.7

For 1987 and 1988 similar results are reported, with the hospital's observed rates falling within the predicted range.

II. *COMMENTS*

While we applaud HCFA's attempts to provide hospitals and consumers with meaningful outcome-related information on the treatment and care of selected Medicare patients, these attempts to date have tended to raise more questions than they answer and should not be perceived as accurate measurements of quality of care.

Quality and appropriateness of care can only be reliably determined through the review of patient records, an extensive process undertaken routinely in the context of the hospital's own Quality Assurance Program and through the Medicare Peer Review Organization (PRO).

Heywood Hospital has in place an extensive Quality Assurance program which includes regular, objective and systematic review of various clinical and non-clinical aspects of patient care to ensure that patient outcomes are in concert with current standards.

Deaths occurring at the hospital are reviewed and analyzed on a monthly basis by physician chiefs of service to determine appropriateness and effectiveness of care. Tracking over a period of 12 months has revealed no adverse trends and has indicated that appropriate care, meeting all applicable standards, has been delivered. Furthermore, the hospital recently received full 3-year accreditation from JCAHO, following extensive review of all areas, including Quality Assurance.

III. SPECIFIC CASE REVIEW

In the process of reviewing records of specific patients identified in the HCFA Report, the following information was obtained.

Acute Myocardial Infarction-- A review of 18 records of reported deaths revealed: Avg. Age- 78.7; 8 DNR's (Do Not Resuscitate), 13 with code episodes prior to, during or upon admission, 7 on Ventilators, 2 transfers from other acute-care facilities with prior code episodes, and 1 transfer to a tertiary care facility. All records reviewed showed extensive pre-existing medical conditions and co-morbidities.

Pneumonia-- A review of 13 records of reported deaths revealed: Avg. Age- 81.5; and 8 DNR's. Again, extensive medical histories and co-morbidities were present. In every case reviewed, the appropriate level and quality of care was delivered.

IV. QUESTIONS RAISED

- Available data are "proxies" for patient's physical condition and do not allow for measurement or consideration of patient characteristics which could have a large impact on the mortality rate.

- External factors not considered in the data include demographics & socio-economics, availability & effectiveness of primary, pre-hospital and post-hospital care, prevalence of lifestyle risk factors such as Smoking, Obesity & Nutrition, and patient compliance with prescribed treatments.

- Coding Variances-- HCFA's data is reviewed according to Diagnosis Codes assigned by the hospitals. This coding process is complex and may vary from hospital to hospital.

- Practice Pattern Variations-- comparisons on a national or even regional basis do not account for individual practice patterns relative to acute-care admissions of terminally-ill patients or transfers of such patients from nursing homes. The availability (or lack thereof) of hospice care, can also influence mortality data.

V. OVERALL

Observed mortality rates for Heywood Hospital fall within predicted ranges for all cases in all three years. Most importantly, we have confidence in the mechanisms in place at Heywood Hospital and through such external agencies such as the PRO to assure that we are providing appropriate and high quality care.

HILLCREST HOSPITAL

165 Tor Court
Pittsfield, MA 01201

Medicare Provider Number: 220107

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	848	9.9	9.2	1.2	15.0	14.6	1.3	19.0	18.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	28	35.7	26.3	*	39.3	29.8	*	39.3	33.0	*
Congestive Heart Failure	56	12.5	14.8	5.5	21.4	23.6	8.6	28.6	30.9	7.8
Pneumonia/Influenza	73	16.4	18.4	4.6	30.1	25.5	5.6	41.1	31.0	6.9
Chronic Obstructive Pulmonary Disease	25	8.0	6.0	*	12.0	11.2	*	12.0	16.0	*
Transient Cerebral Ischemia	10	10.0	1.9	*	20.0	4.8	*	30.0	8.3	*
Stroke	26	15.4	17.0	*	23.1	23.6	*	23.1	27.9	*
Hip Fracture	22	4.5	6.3	*	9.1	11.8	*	9.1	15.7	*
Sepsis	1	0.0	21.0	*	0.0	25.1	*	0.0	29.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.6	*	0.0	7.3	*	25.0	10.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	3.7	*	0.0	7.0	*	0.0	9.5	*
Open Reduction of Hip Fracture	9	11.1	5.4	*	22.2	10.6	*	22.2	14.5	*
Prostatectomy	21	4.8	2.7	*	4.8	6.5	*	4.8	10.5	*
Cholecystectomy	14	0.0	1.5	*	0.0	2.7	*	0.0	3.9	*
Hysterectomy	9	0.0	0.8	*	0.0	1.7	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	116
Occupancy Rate	60
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	67
Percent of Physicians Board Certified Specialists	84
Medical Residents/Interns	0
Registered Nurses	127
Licensed Practical Nurses	20

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HILLCREST HOSPITAL

Medicare Provider Number: 220107

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	922	7.9	8.5	1.1	13.7	13.3	1.2	16.6	17.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	27	29.6	23.9	*	29.6	26.6	*	29.6	29.5	*
Congestive Heart Failure	50	16.0	16.6	*	34.0	26.4	*	36.0	34.1	*
Pneumonia/Influenza	64	17.2	18.3	5.0	28.1	25.0	6.8	31.3	30.2	6.7
Chronic Obstructive Pulmonary Disease	25	0.0	5.8	*	4.0	11.3	*	8.0	16.2	*
Transient Cerebral Ischemia	15	0.0	1.8	*	0.0	3.9	*	0.0	6.3	*
Stroke	25	24.0	18.1	*	32.0	25.3	*	40.0	30.1	*
Hip Fracture	24	4.2	6.5	*	12.5	12.5	*	20.8	16.5	*
Sepsis	7	28.6	20.4	*	28.6	25.4	*	28.6	29.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	14.3	8.5	*	14.3	11.3	*	14.3	13.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	5.6	*	0.0	11.0	*	0.0	14.8	*
Open Reduction of Hip Fracture	8	0.0	5.4	*	12.5	10.7	*	25.0	14.4	*
Prostatectomy	31	0.0	1.4	*	3.2	3.5	*	3.2	5.9	*
Cholecystectomy	8	12.5	2.4	*	12.5	4.6	*	12.5	6.4	*
Hysterectomy	8	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	930	9.8	9.3	1.1	14.2	14.6	1.2	17.6	18.7	1.7
CONDITIONS:										
Acute Myocardial Infarction	26	23.1	23.7	*	26.9	26.3	*	26.9	29.1	*
Congestive Heart Failure	47	21.3	15.8	*	27.7	24.4	*	27.7	31.5	*
Pneumonia/Influenza	74	16.2	16.4	4.6	24.3	22.5	5.1	29.7	27.5	5.8
Chronic Obstructive Pulmonary Disease	34	5.9	10.6	*	23.5	18.1	*	26.5	23.7	*
Transient Cerebral Ischemia	19	10.5	1.9	*	10.5	4.1	*	10.5	6.4	*
Stroke	23	17.4	16.9	*	26.1	24.3	*	26.1	29.0	*
Hip Fracture	18	0.0	5.4	*	0.0	10.5	*	5.6	14.1	*
Sepsis	7	28.6	30.3	*	42.9	39.3	*	42.9	46.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	4.0	*	0.0	8.3	*	0.0	12.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	0.0	2.4	*	0.0	5.0	*	0.0	7.1	*
Open Reduction of Hip Fracture	4	0.0	5.2	*	0.0	10.6	*	0.0	14.4	*
Prostatectomy	34	0.0	1.3	*	0.0	3.1	*	0.0	5.0	*
Cholecystectomy	10	10.0	5.4	*	10.0	10.6	*	10.0	14.7	*
Hysterectomy	5	0.0	0.4	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOLY FAMILY HOSPITAL & MEDICAL CENTER

70 East St
Methuen, MA 01844

Medicare Provider Number: 220080

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,098	9.9	10.2	0.7	16.3	15.7	0.9	20.6	20.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	75	32.0	25.3	9.5	34.7	28.6	8.7	36.0	32.1	7.8
Congestive Heart Failure	135	13.3	15.0	3.4	25.2	23.2	4.5	30.4	29.9	4.5
Pneumonia/Influenza	140	16.4	18.2	3.7	22.1	24.5	4.0	32.9	29.5	4.3
Chronic Obstructive Pulmonary Disease	36	8.3	9.3	*	16.7	15.8	*	22.2	21.3	*
Transient Cerebral Ischemia	47	0.0	1.9	*	2.1	4.3	*	4.3	6.8	*
Stroke	82	19.5	21.4	5.1	30.5	27.9	6.2	35.4	32.3	6.7
Hip Fracture	56	5.4	6.4	3.4	12.5	11.8	5.4	14.3	15.7	5.6
Sepsis	25	20.0	27.8	*	24.0	36.2	*	32.0	43.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	4.7	*	0.0	7.8	*	13.3	10.4	*
Carotid Endarterectomy	11	0.0	1.3	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	37	5.4	4.1	*	16.2	8.0	*	18.9	10.7	*
Open Reduction of Hip Fracture	29	3.4	5.9	*	3.4	11.5	*	6.9	15.6	*
Prostatectomy	45	0.0	0.7	*	2.2	1.6	*	4.4	2.7	*
Cholecystectomy	32	0.0	2.1	*	3.1	3.7	*	6.3	4.9	*
Hysterectomy	12	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	318
Occupancy Rate	69
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	206
Percent of Physicians Board Certified Specialists	69
Medical Residents/Interns	0
Registered Nurses	197
Licensed Practical Nurses	39

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HOLY FAMILY HOSPITAL & MEDICAL CENTER

Medicare Provider Number: 220080

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,141	9.9	10.8	0.8	16.7	16.7	1.0	21.1	21.1	0.9
CONDITIONS:										
Acute Myocardial Infarction	80	33.7	27.3	6.6	38.7	30.4	7.9	42.5	33.8	9.4
Congestive Heart Failure	123	16.3	17.4	4.1	28.5	26.2	4.4	38.2	33.3	5.6
Pneumonia/Influenza	101	14.9	21.3	6.4	20.8	28.3	6.2	29.7	33.2	5.1
Chronic Obstructive Pulmonary Disease	24	4.2	8.8	*	16.7	14.8	*	20.8	20.2	*
Transient Cerebral Ischemia	55	0.0	2.2	2.7	3.6	4.8	3.2	5.5	7.5	4.8
Stroke	82	14.6	21.0	6.7	19.5	27.9	8.8	24.4	32.5	9.7
Hip Fracture	38	5.3	7.1	*	7.9	12.7	*	10.5	16.3	*
Sepsis	31	12.9	28.4	*	25.8	37.0	*	29.0	43.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	1	0.0	0.4	*	0.0	1.0	*	0.0	2.0	*
Initial Pacemaker Insertion	20	0.0	2.7	*	0.0	5.1	*	0.0	7.3	*
Carotid Endarterectomy	13	0.0	1.3	*	7.7	2.6	*	7.7	3.7	*
Hip Replacement/Reconstruction	23	0.0	3.4	*	0.0	7.4	*	0.0	10.9	*
Open Reduction of Hip Fracture	24	8.3	6.5	*	12.5	12.3	*	16.7	16.2	*
Prostatectomy	52	0.0	1.2	2.2	3.8	2.9	2.7	5.8	4.9	4.0
Cholecystectomy	22	4.5	1.5	*	4.5	2.6	*	9.1	3.5	*
Hysterectomy	10	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,290	10.5	10.5	0.8	16.4	16.0	1.1	20.0	20.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	70	37.1	29.9	10.4	40.0	33.5	9.5	41.4	36.9	7.7
Congestive Heart Failure	128	25.8	16.8	5.5	35.9	25.2	6.3	41.4	32.1	6.1
Pneumonia/Influenza	88	20.5	21.9	4.8	30.7	28.7	5.2	34.1	33.6	5.2
Chronic Obstructive Pulmonary Disease	33	15.2	9.4	*	24.2	17.5	*	24.2	23.9	*
Transient Cerebral Ischemia	46	2.2	2.2	*	6.5	4.7	*	10.9	7.2	*
Stroke	73	13.7	22.4	10.4	21.9	29.5	10.5	27.4	34.0	10.7
Hip Fracture	58	1.7	6.6	5.7	8.6	12.2	7.3	10.3	15.9	7.5
Sepsis	24	16.7	31.3	*	20.8	40.0	*	29.2	47.2	*
PROCEDURES:										
Angioplasty	1	0.0	2.3	*	0.0	3.3	*	0.0	4.3	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	0.0	5.9	*	4.8	11.8	*	4.8	16.7	*
Carotid Endarterectomy	18	0.0	1.7	*	0.0	3.2	*	0.0	4.7	*
Hip Replacement/Reconstruction	23	0.0	4.0	*	4.3	7.9	*	4.3	10.6	*
Open Reduction of Hip Fracture	31	3.2	6.1	*	6.5	11.9	*	9.7	15.8	*
Prostatectomy	48	0.0	0.9	*	0.0	2.2	*	0.0	3.6	*
Cholecystectomy	34	2.9	2.1	*	8.8	3.8	*	8.8	5.1	*
Hysterectomy	11	9.1	0.7	*	9.1	1.4	*	9.1	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

233.1

Holy Family Hospital
and Medical Center

70 East Street, Methuen, Massachusetts 01844 (508) 687-0151
Fax (508) 688-7689

HOLY FAMILY HOSPITAL AND MEDICAL CENTER RESPONSE TO THE HCFA SELECTED MORTALITY INFORMATION FOR FISCAL YEAR 1989

In the interests of the hospital's commitment to quality care, Holy Family Hospital and its medical staff leadership have reviewed the HCFA mortality rate data. Holy Family Hospital mortality rates for the diagnostic categories studied fell within the predicted ranges (adjusted for standard deviation) as developed by HCFA. This fact is supported by an independent analysis of the data Holy Family Hospital commissioned from Hospcosts Forecasts Associates, Boston, Massachusetts, a company with a recognized expertise in statistical forecasting. Its report, authorized by James R. Diggins, Ph.D., President, states in part --

> ..."There is absolutely no doubt whatsoever that Holy Family passes every statistical test that Medicare had enough data to calculate. This conclusion is unambiguous and uncontestable "...

The report, after evaluating all of the data points covered in HCFA's study, goes on to conclude:

> ..."All this means is that statistically, none of the differences between Holy Family's mortality rates and those predicted by the HCFA model are large enough to be meaningful"..."the conclusion is that Holy Family mortality rates are the same as Medicare says they should be"...

Given the brief time this mortality information has been available to the hospital, it has been impossible to study carefully every death, but the hospital and its medical staff did review deaths following "acute myocardial infarction", whether they occurred here or elsewhere, and deaths following HCFA's categorization of "hip replacement/reconstruction" at this institution--again, whether those deaths occurred here or elsewhere. In the instance of deaths following "acute myocardial infarction", the historical information available to the hospital and its medical staff revealed no evidence of inappropriate care or medical mismanagement. Regarding deaths following "hip replacement/reconstruction", the same phenomenon held, but it should be noted here that none of the deaths recorded were from patients selecting a hip replacement or reconstruction electively in order to alleviate a long-standing medical problem or to ease long-term discomfort or difficulty in mobility. Rather, all of these patients' operations were necessitated as a result of a sudden and traumatic hip fracture and surgery was determined to be the best option to ease pain and suffering and to manage some degree of patient mobility. In all but one of the cases studied, these patients were, preoperatively, in a terminal state from other disease processes, were suffering from senile dementia and/or were long-term patients in chronic hospital or nursing home facilities. In addition, our orthopedic surgeons point out that each of these patients received an "Austin-Moore prosthesis" and none of the surgeons consider this surgical procedure to constitute either total "hip replacement" or "hip reconstruction." They argue that this procedure should be more properly classified by adding this patient population to the HCFA procedure category "open reduction of hip fracture" to create a new category "open treatment of hip fracture."

A division of Valley Regional Health System, Inc.

Member hospital, Caritas Christi, a Catholic health care system

Additionally, it should be noted that the HCFA study does not address severity of illness within any of the diagnostic categories or procedures reported. With this in mind, it must be further stated that Holy Family Hospital serves as a regional cancer referral center and admits the more acutely ill patient from other hospitals for both diagnostic and acute care management services. In addition, and due to the same circumstances, Holy Family Hospital treats a higher incidence of the more at-risk neurologic and neurosurgical patients than most comparable community hospitals. Also, for deaths in most categories, there are many cases where patients and/or their families requested no further heroic measures be taken.

The HCFA data categories are based on the conditions causing admission and do not necessarily reflect the actual cause of death. For instance, patients whose cause of death is cancer are often admitted with a condition in another diagnostic category.

Holy Family Hospital has an active Quality Assurance/Risk Management Program which represents the best clinical interests of all patients regardless of age. The Quality Assurance/Risk Management Program, under the direction of the medical staff, encompasses a multi-disciplinary team approach. The stated purpose of the Quality Assurance/Risk Management Program is:

> To create a coordinated and integrated Quality Assurance/Risk Management Program designed to use staff time and resources appropriately; to enhance patient care through the ongoing assessment of important aspects of patient care; to create a cost-effective program; and to correctly identify problems in all areas of management. This program evolves in part from the hospital's long-standing mission to provide well-coordinated, cost-effective, comprehensive services to the communities it serves with a special commitment to addressing the needs of the elderly and terminally ill.

As part of the hospital's Quality Assurance/Risk Management effort, the medical staff reviews all mortalities for educational purposes and to document and substantiate the appropriateness of care and clinical patient care management in all cases. Similarly, the Quality Assurance/Risk Management Program identifies and monitors all other aspects of patient care in hospital management in an effort to continually improve the quality of patient care services within the hospital. These Quality Assurance/Risk Management activities have been standard practice at Holy Family Hospital for many years prior to government mandates in this area.

The Massachusetts Peer Review Organization, empowered by the Federal Government to review care and management of Medicare patients, has not identified any instances of quality care issues affecting the overall care of those patients identified in the HCFA mortality report. Holy Family Hospital also adheres to the regulations of the Massachusetts Board of Registration in Medicine Patient Care Assessment Program. Neither the hospital medical staff, its Quality Assurance/Risk Management Program, nor the Massachusetts Peer Review Organization have identified any quality care issues that affected patient care during 1989.

Holy Family Hospital strives to provide the highest level of care for all patients. It has reviewed the HCFA data and prepared this response to assure we are meeting our own standards of quality care.

William L. Lane
President/Chief Executive Officer

January 14, 1991

HOLYOKE HOSPITAL INC

575 Beech St
Holyoke, MA 01040

Medicare Provider Number: 220024

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	2,025	9.6	8.6	1.1	14.4	13.1	1.3	17.9	16.7	1.4
CONDITIONS:										
Acute Myocardial Infarction	79	34.2	27.0	7.1	40.5	30.4	8.5	43.0	33.9	9.6
Congestive Heart Failure	105	14.3	15.1	4.6	22.9	23.3	4.1	28.6	29.9	4.8
Pneumonia/Influenza	103	17.5	15.3	5.0	23.3	20.7	5.0	26.2	25.1	4.4
Chronic Obstructive Pulmonary Disease	37	8.1	5.0	*	10.8	9.1	*	21.6	13.0	*
Transient Cerebral Ischemia	25	0.0	1.8	*	0.0	4.0	*	0.0	6.4	*
Stroke	80	23.7	18.7	10.2	30.0	25.3	10.6	33.7	29.5	10.6
Hip Fracture	48	10.4	7.7	*	12.5	13.8	*	20.8	17.7	*
Sepsis	15	26.7	21.9	*	33.3	27.9	*	33.3	32.4	*
PROCEDURES:										
Angioplasty	1	100.0	11.6	*	100.0	12.6	*	100.0	13.8	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker insertion	13	7.7	3.5	*	7.7	6.0	*	7.7	8.3	*
Carotid Endarterectomy	1	0.0	1.7	*	0.0	3.8	*	0.0	5.7	*
Hip Replacement/Reconstruction	15	0.0	4.5	*	0.0	8.1	*	6.7	10.5	*
Open Reduction of Hip Fracture	27	14.8	6.4	*	14.8	12.0	*	22.2	15.8	*
Prostatectomy	54	0.0	1.4	2.0	5.6	3.3	3.7	5.6	5.3	3.1
Cholecystectomy	53	3.8	2.7	4.9	5.7	4.7	4.8	7.5	6.1	4.3
Hysterectomy	8	0.0	0.5	*	0.0	1.3	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	236
Occupancy Rate	67
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	212
Percent of Physicians Board Certified Specialists	83
Medical Residents/Interns	0
Registered Nurses	134
Licensed Practical Nurses	55

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HOLYOKE HOSPITAL INC

Medicare Provider Number: 220024

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,198	9.6	9.3	0.9	15.2	14.2	1.2	18.6	18.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	78	26.9	27.1	7.1	33.3	30.2	6.3	34.6	33.6	5.4
Congestive Heart Failure	103	21.4	16.5	5.4	28.2	24.8	5.5	34.0	31.6	5.3
Pneumonia/Influenza	99	11.1	17.8	5.3	21.2	23.9	4.5	27.3	28.6	4.7
Chronic Obstructive Pulmonary Disease	50	6.0	5.7	*	10.0	10.2	*	12.0	14.0	*
Transient Cerebral Ischemia	27	0.0	2.0	*	0.0	4.4	*	3.7	6.9	*
Stroke	84	15.5	21.5	6.7	27.4	28.7	6.5	34.5	33.4	5.2
Hip Fracture	63	11.1	8.0	4.3	12.7	14.2	5.0	15.9	17.8	5.7
Sepsis	19	26.3	21.0	*	42.1	28.3	*	42.1	34.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	10.5	6.2	*	15.8	10.5	*	21.1	13.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	28	7.1	4.2	*	7.1	8.4	*	7.1	11.0	*
Open Reduction of Hip Fracture	23	4.3	7.6	*	8.7	14.3	*	8.7	18.4	*
Prostatectomy	60	0.0	1.5	1.9	0.0	3.3	3.6	3.3	5.2	3.3
Cholecystectomy	53	9.4	3.7	4.5	13.2	6.7	5.8	13.2	8.4	6.1
Hysterectomy	13	0.0	2.0	*	0.0	4.0	*	0.0	5.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,108	9.2	9.7	0.9	15.0	14.7	0.9	18.5	18.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	101	25.7	29.7	6.4	28.7	32.9	7.6	29.7	36.3	8.9
Congestive Heart Failure	98	12.2	17.3	5.5	21.4	25.8	5.7	31.6	32.8	4.8
Pneumonia/Influenza	103	18.4	17.9	5.3	28.2	24.0	7.2	33.0	29.0	6.8
Chronic Obstructive Pulmonary Disease	54	5.6	9.4	5.6	13.0	16.2	6.6	18.5	21.6	8.8
Transient Cerebral Ischemia	33	0.0	2.3	*	0.0	5.0	*	6.1	7.9	*
Stroke	69	18.8	23.0	6.1	30.4	30.2	5.9	36.2	34.8	7.1
Hip Fracture	44	9.1	8.1	*	13.6	14.1	*	13.6	17.9	*
Sepsis	19	10.5	17.2	*	15.8	23.7	*	15.8	28.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	0.0	5.0	*	10.5	9.3	*	15.8	12.9	*
Carotid Endarterectomy	1	0.0	1.8	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	20	0.0	4.7	*	0.0	8.8	*	0.0	11.6	*
Open Reduction of Hip Fracture	20	10.0	7.7	*	15.0	13.7	*	15.0	17.3	*
Prostatectomy	56	0.0	1.3	1.8	1.8	3.0	2.5	1.8	5.0	3.9
Cholecystectomy	51	2.0	2.6	2.9	3.9	4.7	3.1	3.9	6.0	3.8
Hysterectomy	9	11.1	1.4	*	11.1	2.9	*	22.2	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

235.1

HOLYOKE HOSPITAL, INC.

HANK J. PORTEN
President

575 BEECH STREET
HOLYOKE, MA. 01040-2296
PHONE 534-2500

January 11, 1991

Medicare Provider Number: 220024

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Re: Medicare Hospital Mortality Information
October 1, 1988 to September 30, 1989

Dear Mrs. Kappert:

Please include the following comments along with the hospital-specific information you plan to publish during 1991.

We have reviewed the data which you have forwarded us relative to Medicare patients discharged from this hospital during the period referenced above. We have also reviewed the data for patients discharged during the two previous fiscal years. We note that, unlike prior years, this year HCFA is publishing predicted mortality rates and observed mortality rates, but is not publishing a specific range within which rate differences can be determined as meaningful or not. However, HCFA has furnished a methodology by which hospitals may develop ranges for this purpose.

Regarding the above we are pleased to note that, after applying HCFA's recommended method for determining predictive ranges of observed and predicted mortality, the differences in these rates at Holyoke Hospital are consistent with the nationally encountered variability in mortality rates, so that there is no meaningful or significant difference in such rates. This holds true for all three Bounds for Prediction Intervals, including the most stringent test. This is also true for fiscal years 1987 and 1988, as well as for the 30 day, 90 day and 180 day time periods.

As to the hospital characteristics indicated at the bottom of the data page, Holyoke Hospital does provide hospice care in addition to the other services indicated.

Medicare Provider Number: 220024

Regarding the mortality statistics generally, we find them to be a preliminary screen to assess certain specific conditions and procedures. It is important to note that Holyoke Hospital serves an area which includes not only an extremely high proportion of elderly citizens age 65 and over, but also -- with respect to this particular age group -- a very high percentage of the so-called "frail elderly," that is, citizens who are age 75 and over. Furthermore, the area served by the Hospital includes high numbers of minority and economically disadvantaged citizens. The above factors impact mortality experience, but it is difficult to estimate the precise impact in the absence of more data regarding your statistical methodologies. We will continue to monitor your statistical reports and we shall also continue what we believe to be the most critical activity from the consuming public's point of view: namely, the Hospital's ongoing utilization review and quality assurance mechanisms.

Again, we take note of the fact that for 1989, as well as for the preceding years of 1988 and 1987, Holyoke Hospital's Medicare mortality experience is within the ranges predicted by your statistical formulas.

Sincerely,

David A Wilbur

David A. Wilbur
Director of Planning

DAW/ksm

cc: Hank J. Porten

HUBBARD REGIONAL HOSPITAL

340 Thompson Road
Webster, MA 01570

Medicare Provider Number: 220025

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	692	8.8	10.0	1.3	16.0	15.1	2.0	19.4	19.2	1.8
CONDITIONS:										
Acute Myocardial Infarction	27	25.9	28.2	*	29.6	31.6	*	29.6	35.3	*
Congestive Heart Failure	37	21.6	19.7	*	27.0	28.7	*	29.7	35.8	*
Pneumonia/Influenza	21	14.3	18.8	*	23.8	25.2	*	28.6	29.7	*
Chronic Obstructive Pulmonary Disease	7	14.3	19.5	*	42.9	30.1	*	57.1	37.0	*
Transient Cerebral Ischemia	12	0.0	2.2	*	8.3	5.3	*	8.3	8.8	*
Stroke	14	28.6	19.0	*	35.7	25.8	*	50.0	30.5	*
Hip Fracture	15	0.0	7.9	*	20.0	13.8	*	20.0	17.9	*
Sepsis	9	11.1	22.3	*	33.3	30.7	*	33.3	36.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	3.1	*	0.0	6.6	*	0.0	10.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	3.6	*	16.7	6.5	*	16.7	8.6	*
Open Reduction of Hip Fracture	6	0.0	10.2	*	33.3	18.7	*	33.3	24.2	*
Prostatectomy	29	3.4	0.6	*	6.9	1.3	*	6.9	2.3	*
Cholecystectomy	16	0.0	2.8	*	0.0	5.0	*	6.3	6.7	*
Hysterectomy	4	0.0	0.2	*	0.0	0.5	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	58
Occupancy Rate	64
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	28
Percent of Physicians Board Certified Specialists	71
Medical Residents/Interns	0
Registered Nurses	72
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HUBBARD REGIONAL HOSPITAL

Medicare Provider Number: 220025

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	757	11.9	10.9	1.4	16.9	16.3	1.4	20.9	20.5	1.5
CONDITIONS:										
Acute Myocardial Infarction	27	40.7	29.6	*	44.4	33.2	*	44.4	37.1	*
Congestive Heart Failure	43	27.9	21.4	*	32.6	31.6	*	34.9	39.4	*
Pneumonia/Influenza	34	20.6	23.6	*	23.5	31.4	*	38.2	37.0	*
Chronic Obstructive Pulmonary Disease	11	9.1	4.8	*	9.1	9.2	*	9.1	13.0	*
Transient Cerebral Ischemia	9	0.0	2.4	*	0.0	5.4	*	0.0	8.6	*
Stroke	17	35.3	29.4	*	64.7	38.4	*	64.7	44.0	*
Hip Fracture	18	0.0	6.0	*	5.6	11.9	*	11.1	16.2	*
Sepsis	14	35.7	26.2	*	35.7	34.3	*	35.7	40.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	3.4	*	14.3	6.9	*	14.3	9.4	*
Open Reduction of Hip Fracture	6	0.0	6.8	*	0.0	14.1	*	0.0	19.4	*
Prostatectomy	24	0.0	1.3	*	4.2	3.1	*	8.3	4.9	*
Cholecystectomy	17	5.9	4.2	*	11.8	7.5	*	11.8	9.8	*
Hysterectomy	3	0.0	0.4	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	761	10.1	9.9	1.2	15.8	14.9	1.5	18.7	18.9	2.1
CONDITIONS:										
Acute Myocardial Infarction	28	39.3	30.1	*	46.4	34.4	*	46.4	38.3	*
Congestive Heart Failure	48	18.8	19.8	*	37.5	29.5	*	39.6	37.0	*
Pneumonia/Influenza	45	15.6	21.2	*	24.4	28.0	*	31.1	33.6	*
Chronic Obstructive Pulmonary Disease	5	0.0	6.4	*	0.0	10.7	*	20.0	14.5	*
Transient Cerebral Ischemia	14	7.1	2.7	*	7.1	6.2	*	7.1	9.7	*
Stroke	20	30.0	24.9	*	45.0	32.8	*	50.0	38.1	*
Hip Fracture	21	4.8	5.1	*	9.5	9.7	*	14.3	13.3	*
Sepsis	12	16.7	26.7	*	16.7	35.1	*	25.0	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	1.8	*	28.6	4.2	*	28.6	6.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	25.0	2.2	*	25.0	4.5	*	25.0	6.4	*
Open Reduction of Hip Fracture	13	0.0	4.7	*	7.7	9.5	*	15.4	13.1	*
Prostatectomy	19	0.0	0.6	*	5.3	1.5	*	5.3	2.6	*
Cholecystectomy	17	0.0	1.0	*	0.0	1.9	*	0.0	2.7	*
Hysterectomy	5	0.0	0.5	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

J B THOMAS HOSPITAL

15 King St
Peabody, MA 01960

Medicare Provider Number: 220114

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	795	9.2	10.2	1.3	14.0	15.2	2.0	16.0	19.3	2.3
CONDITIONS:										
Acute Myocardial Infarction	39	23.1	28.6	*	28.2	32.0	*	28.2	35.3	*
Congestive Heart Failure	48	14.6	15.3	*	18.7	23.9	*	20.8	30.7	*
Pneumonia/Influenza	38	13.2	19.3	*	21.1	26.2	*	23.7	31.3	*
Chronic Obstructive Pulmonary Disease	13	0.0	6.4	*	7.7	11.7	*	15.4	16.6	*
Transient Cerebral Ischemia	21	0.0	2.3	*	0.0	5.6	*	0.0	9.2	*
Stroke	43	14.0	19.9	*	20.9	26.0	*	20.9	30.2	*
Hip Fracture	12	16.7	7.5	*	25.0	14.4	*	25.0	19.2	*
Sepsis	6	16.7	35.3	*	16.7	41.5	*	16.7	47.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	4.8	*	0.0	11.7	*	0.0	18.8	*
Carotid Endarterectomy	1	0.0	1.0	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	8	12.5	4.8	*	12.5	10.0	*	12.5	14.2	*
Open Reduction of Hip Fracture	2	0.0	13.2	*	50.0	25.4	*	50.0	33.0	*
Prostatectomy	7	0.0	0.7	*	0.0	1.8	*	0.0	3.2	*
Cholecystectomy	13	7.7	4.7	*	7.7	7.6	*	7.7	9.3	*
Hysterectomy	3	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	79
Occupancy Rate	68
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	27
Percent of Physicians Board Certified Specialists	78
Medical Residents/Interns	0
Registered Nurses	61
Licensed Practical Nurses	14

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

J B THOMAS HOSPITAL

Medicare Provider Number: 220114

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	794	7.7	11.2	1.6	12.3	16.5	1.8	16.5	20.8	2.0
CONDITIONS:										
Acute Myocardial Infarction	37	24.3	30.3	*	32.4	34.0	*	32.4	37.7	*
Congestive Heart Failure	50	4.0	19.4	*	14.0	28.9	*	18.0	36.4	*
Pneumonia/Influenza	38	7.9	18.4	*	21.1	25.3	*	23.7	30.5	*
Chronic Obstructive Pulmonary Disease	7	0.0	7.4	*	0.0	14.7	*	0.0	21.2	*
Transient Cerebral Ischemia	18	11.1	2.0	*	11.1	4.7	*	11.1	7.9	*
Stroke	37	21.6	20.9	*	27.0	28.2	*	32.4	33.0	*
Hip Fracture	21	4.8	5.8	*	9.5	10.8	*	19.0	14.1	*
Sepsis	14	21.4	27.0	*	35.7	36.5	*	35.7	43.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	11.7	*	0.0	14.7	*	0.0	17.9	*
Carotid Endarterectomy	1	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	7	0.0	5.1	*	0.0	9.9	*	14.3	13.0	*
Open Reduction of Hip Fracture	11	0.0	5.5	*	9.1	10.6	*	18.2	13.9	*
Prostatectomy	14	0.0	2.6	*	0.0	5.6	*	0.0	8.4	*
Cholecystectomy	13	7.7	5.3	*	15.4	10.1	*	15.4	13.3	*
Hysterectomy	2	0.0	0.8	*	0.0	1.8	*	0.0	2.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	707	8.2	11.6	1.5	13.2	17.0	1.8	15.1	21.0	2.1
CONDITIONS:										
Acute Myocardial Infarction	28	32.1	32.4	*	32.1	36.3	*	35.7	39.8	*
Congestive Heart Failure	52	5.8	17.3	7.9	15.4	26.1	8.8	23.1	33.0	8.9
Pneumonia/Influenza	46	10.9	19.3	*	15.2	26.2	*	19.6	31.7	*
Chronic Obstructive Pulmonary Disease	7	0.0	5.0	*	0.0	10.1	*	0.0	15.0	*
Transient Cerebral Ischemia	25	0.0	1.5	*	0.0	3.2	*	0.0	5.1	*
Stroke	33	15.2	20.1	*	24.2	27.2	*	24.2	31.6	*
Hip Fracture	7	14.3	6.0	*	14.3	11.2	*	14.3	14.8	*
Sepsis	10	30.0	23.4	*	40.0	33.7	*	40.0	39.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	9.9	*	33.3	16.5	*	33.3	21.1	*
Carotid Endarterectomy	1	0.0	2.0	*	0.0	3.3	*	0.0	4.8	*
Hip Replacement/Reconstruction	3	0.0	3.9	*	0.0	8.0	*	0.0	10.8	*
Open Reduction of Hip Fracture	5	20.0	5.1	*	20.0	10.0	*	20.0	13.4	*
Prostatectomy	9	0.0	0.9	*	0.0	2.2	*	0.0	3.5	*
Cholecystectomy	10	0.0	2.6	*	0.0	4.2	*	0.0	5.1	*
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

239.1

J. B. Thomas Hospital

15 King Street Peabody, Massachusetts 01960
(508) 531-2900

Hospital ID: 220114

Comments on the HCFA Mortality Data

By

J.B. Thomas Hospital
15 King Street
Peabody, MA 01960

Sheldon B. Aronson
President

J. B. Thomas Hospital

15 King Street Peabody, Massachusetts 01960
(508) 531-2900

Hospital ID: 220114

COMMENTS ON THE HCFA MORTALITY DATA

J. B. Thomas Hospital finds the HCFA mortality information useful as a quality assurance guide, recognizing, however, that it has no usefulness to consumers and is not an indicator of our Hospital's quality of care.

Mortality rates, by themselves, do not measure quality of care in any institution. Raw numbers often do not reflect accurately the circumstances surrounding each death, nor the fact that certain deaths are "expected", the terminal cancer patient, for example. According to your own statement the precision and interpretability of your estimates are questionable when there are fewer than fifty cases in a particular category. That is the case in all three categories I reviewed.

When reviewing the data for deaths occurring in all categories, however, J. B. Thomas Hospital was well below the predicted rate of mortality.

J. B. Thomas Hospital places as its number one priority a continuous hospital-wide commitment to quality patient care. This commitment is evidenced in the monitoring activities conducted at all levels, by all departments, and reported to the Board of Trustees. The medical staff agrees on professional standards of care which are then monitored on a daily, weekly, and monthly basis. When an opportunity to improve care is identified, then plans are developed to assure the improvement of that care.

Mortality review begins in the Quality Assurance Department where professional nurses read through entire medical records and check for twenty-eight indicators of care. Records needing further physician analysis are reviewed by the Chief of the applicable service or by a peer. Mortality reports are submitted to the Board of Trustees each month.

Quality Assurance activities at J. B. Thomas Hospital expand each year to account for advances in technology and procedures, for implementation of new regulations and standards, and for improvements in patient care as identified by monitoring and evaluation activities.

The American Hospital Association, the Joint Commission on Accreditation of Healthcare organizations, and other agencies are investigating methods of evaluating quality of care that rely on measures other than mortality rates that can be used by consumers as a more descriptive guide to the quality of care rendered by our nation's hospitals. We at J. B. Thomas Hospital look forward to the results of these efforts.

President

JORDAN HOSPITAL INC

Sandwich Rd
Plymouth, MA 02360

Medicare Provider Number: 220060

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	1,809	6.1	9.5	1.3	11.3	14.1	1.1	14.9	17.8	1.1
CONDITIONS:										
Acute Myocardial Infarction	63	11.1	25.1	7.9	11.1	28.6	8.8	19.0	32.1	8.1
Congestive Heart Failure	107	9.3	18.5	5.4	19.6	27.3	6.5	26.2	34.6	5.9
Pneumonia/Influenza	66	10.6	17.0	6.0	19.7	22.9	5.9	27.3	27.6	5.7
Chronic Obstructive Pulmonary Disease	22	0.0	10.0	*	9.1	15.4	*	13.6	19.7	*
Transient Cerebral Ischemia	20	0.0	1.5	*	5.0	3.3	*	5.0	5.2	*
Stroke	51	21.6	22.3	7.1	27.5	28.6	6.5	31.4	32.8	6.8
Hip Fracture	48	8.3	6.2	*	12.5	11.2	*	14.6	14.4	*
Sepsis	20	10.0	29.3	*	30.0	34.9	*	35.0	40.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	4.2	*	0.0	8.3	*	0.0	12.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	25	0.0	4.1	*	4.0	7.7	*	4.0	10.1	*
Open Reduction of Hip Fracture	26	11.5	5.6	*	15.4	10.5	*	19.2	13.7	*
Prostatectomy	58	0.0	0.4	*	0.0	1.1	*	0.0	1.8	*
Cholecystectomy	30	0.0	2.2	*	3.3	3.7	*	3.3	4.6	*
Hysterectomy	7	0.0	0.9	*	0.0	2.1	*	0.0	3.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	150
Occupancy Rate	82
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	82
Percent of Physicians Board Certified Specialists	85
Medical Residents/Interns	0
Registered Nurses	145
Licensed Practical Nurses	40

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

JORDAN HOSPITAL INC

Medicare Provider Number: 220060

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,806	9.1	10.5	1.0	14.0	15.5	1.1	17.8	19.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	94	21.3	27.4	5.4	27.7	30.7	5.0	28.7	34.2	5.8
Congestive Heart Failure	83	10.8	17.7	7.6	18.1	26.3	7.9	30.1	33.2	7.0
Pneumonia/Influenza	54	22.2	16.4	7.9	29.6	21.8	9.2	35.2	26.2	11.6
Chronic Obstructive Pulmonary Disease	27	7.4	6.6	*	11.1	11.7	*	22.2	15.9	*
Transient Cerebral Ischemia	23	0.0	2.3	*	0.0	5.0	*	0.0	8.0	*
Stroke	69	18.8	24.1	7.5	29.0	32.3	9.3	34.8	37.4	6.7
Hip Fracture	73	5.5	6.9	3.3	11.0	12.5	6.3	13.7	16.1	5.6
Sepsis	17	23.5	31.7	*	35.3	37.7	*	35.3	43.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	22.2	3.5	*	22.2	6.9	*	22.2	10.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	37	5.4	4.4	*	13.5	8.3	*	13.5	11.2	*
Open Reduction of Hip Fracture	43	0.0	6.5	*	4.7	12.1	*	9.3	15.7	*
Prostatectomy	46	0.0	0.4	*	0.0	0.9	*	2.2	1.5	*
Cholecystectomy	27	0.0	3.1	*	7.4	5.2	*	7.4	6.4	*
Hysterectomy	13	0.0	1.7	*	7.7	3.2	*	7.7	4.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,852	9.7	10.3	0.9	15.0	15.2	1.0	18.3	18.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	98	21.4	26.7	5.7	24.5	30.3	5.8	27.6	33.8	6.5
Congestive Heart Failure	96	21.9	18.7	7.1	31.3	27.6	7.5	37.5	34.9	6.7
Pneumonia/Influenza	75	14.7	19.1	7.8	22.7	25.5	9.8	28.0	30.5	8.0
Chronic Obstructive Pulmonary Disease	38	0.0	6.4	*	10.5	11.7	*	18.4	16.3	*
Transient Cerebral Ischemia	31	0.0	2.1	*	0.0	4.6	*	0.0	7.3	*
Stroke	69	18.8	20.8	6.2	26.1	27.9	5.6	30.4	32.5	6.4
Hip Fracture	62	8.1	6.9	3.4	11.3	12.7	4.4	14.5	16.6	5.5
Sepsis	32	28.1	39.3	*	40.6	48.9	*	43.8	55.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	4.7	*	11.1	8.0	*	22.2	10.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	34	5.9	4.4	*	8.8	8.7	*	8.8	11.6	*
Open Reduction of Hip Fracture	33	6.1	5.8	*	9.1	11.1	*	15.2	14.9	*
Prostatectomy	42	0.0	0.7	*	0.0	1.6	*	0.0	2.8	*
Cholecystectomy	38	0.0	2.7	*	5.3	4.4	*	5.3	5.3	*
Hysterectomy	11	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

L F QUIGLEY MEM HOSPITAL SOLDIERS HOME

100 Summit Ave
Chelsea, MA 02150

Medicare Provider Number: 220154

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	127	7.9	12.0	3.5	15.7	19.8	4.0	22.0	25.7	4.2
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	52.9	*	0.0	59.1	*	0.0	65.1	*
Congestive Heart Failure	6	16.7	12.2	*	16.7	19.5	*	33.3	25.9	*
Pneumonia/Influenza	13	7.7	16.4	*	30.8	22.5	*	46.2	27.4	*
Chronic Obstructive Pulmonary Disease	8	0.0	8.7	*	0.0	18.2	*	12.5	26.3	*
Transient Cerebral Ischemia	1	0.0	2.3	*	0.0	5.3	*	0.0	8.6	*
Stroke	2	50.0	25.3	*	50.0	34.3	*	50.0	39.2	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds	84
Ownership/Control	State Government

STAFFING:

Medical Residents/Interns	0
Registered Nurses	64
Licensed Practical Nurses	35

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	No
Hospice	No
Intensive Care Unit	No
Organ Transplant	No
Rehabilitation	Yes
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

L F QUIGLEY MEM HOSPITAL SOLDIERS HOME

Medicare Provider Number: 220154

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	121	5.8	12.4	5.0	14.9	19.2	4.8	21.5	24.5	4.6
CONDITIONS:										
Acute Myocardial Infarction	2	50.0	48.9	*	100.0	55.2	*	100.0	60.0	*
Congestive Heart Failure	5	0.0	16.4	*	20.0	24.8	*	20.0	31.9	*
Pneumonia/Influenza	19	10.5	24.7	*	26.3	32.9	*	36.8	38.7	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	1	0.0	2.5	*	0.0	4.7	*	0.0	6.9	*
Sepsis	0									
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	225	10.7	10.0	2.0	16.4	16.1	2.5	22.7	21.0	2.9
CONDITIONS:										
Acute Myocardial Infarction	15	33.3	28.7	*	40.0	34.3	*	46.7	38.5	*
Congestive Heart Failure	15	20.0	15.1	*	33.3	23.1	*	46.7	30.1	*
Pneumonia/Influenza	6	0.0	16.3	*	0.0	22.0	*	0.0	26.8	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	1	0.0	1.4	*	0.0	2.8	*	100.0	4.4	*
Stroke	3	33.3	39.0	*	66.7	54.4	*	66.7	62.2	*
Hip Fracture	0									
Sepsis	1	0.0	46.1	*	0.0	51.8	*	0.0	57.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	15	0.0	0.7	*	0.0	1.8	*	0.0	2.9	*
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LAWRENCE GENERAL HOSPITAL

One General Street
Lawrence, MA 01842

Medicare Provider Number: 220010

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,371	8.3	9.9	0.9	13.5	15.1	1.0	17.8	19.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	79	30.4	27.5	5.7	32.9	31.1	6.6	39.2	34.6	7.6
Congestive Heart Failure	190	14.7	17.0	4.3	25.3	26.0	3.3	35.3	33.1	3.9
Pneumonia/Influenza	137	13.1	20.5	5.1	24.1	27.4	4.9	27.7	32.6	4.7
Chronic Obstructive Pulmonary Disease	2	0.0	8.0	*	0.0	17.4	*	50.0	24.9	*
Transient Cerebral Ischemia	61	1.6	2.1	1.9	4.9	4.7	2.8	9.8	7.3	4.6
Stroke	110	10.9	22.9	6.1	19.1	30.5	6.2	26.4	35.2	5.7
Hip Fracture	72	6.9	7.9	3.7	15.3	14.2	4.8	16.7	18.5	4.8
Sepsis	13	46.2	27.3	*	53.8	34.5	*	61.5	40.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	20	0.0	4.5	*	15.0	9.6	*	15.0	14.5	*
Carotid Endarterectomy	12	0.0	1.3	*	8.3	2.4	*	8.3	3.5	*
Hip Replacement/Reconstruction	43	4.7	4.5	*	11.6	8.5	*	14.0	11.4	*
Open Reduction of Hip Fracture	33	3.0	8.2	*	9.1	15.3	*	9.1	20.2	*
Prostatectomy	60	0.0	0.9	2.4	1.7	2.0	2.8	5.0	3.4	3.0
Cholecystectomy	34	5.9	2.3	*	5.9	3.7	*	5.9	4.6	*
Hysterectomy	8	0.0	0.9	*	0.0	2.0	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	342
Occupancy Rate	65
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	240
Percent of Physicians Board Certified Specialists	68
Medical Residents/Interns	0
Registered Nurses	222
Licensed Practical Nurses	62

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

LAWRENCE GENERAL HOSPITAL

Medicare Provider Number: 220010

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,602	9.1	10.8	0.8	14.5	16.6	1.0	18.9	21.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	86	24.4	30.1	7.6	30.2	34.1	6.4	33.7	37.8	6.7
Congestive Heart Failure	192	13.0	18.5	4.4	22.4	28.0	5.2	30.7	35.4	5.4
Pneumonia/Influenza	133	11.3	23.8	5.4	21.8	31.1	5.8	29.3	36.4	5.6
Chronic Obstructive Pulmonary Disease	5	0.0	6.1	*	0.0	11.7	*	0.0	16.4	*
Transient Cerebral Ischemia	63	0.0	2.9	*	1.6	6.2	*	6.3	9.4	*
Stroke	114	19.3	22.9	4.5	27.2	30.0	5.4	28.1	34.7	6.8
Hip Fracture	74	5.4	6.8	4.1	8.1	12.7	6.8	13.5	16.5	6.6
Sepsis	12	33.3	31.6	*	50.0	42.2	*	58.3	49.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	10.0	*	100.0	19.8	*	100.0	27.6	*
Carotid Endarterectomy	26	7.7	1.7	*	7.7	3.2	*	11.5	4.8	*
Hip Replacement/Reconstruction	28	0.0	5.0	*	3.6	10.1	*	3.6	13.6	*
Open Reduction of Hip Fracture	41	4.9	6.2	*	7.3	11.9	*	12.2	15.8	*
Prostatectomy	59	1.7	1.1	1.5	5.1	2.7	3.0	6.8	4.7	4.4
Cholecystectomy	40	0.0	4.6	*	12.5	7.9	*	15.0	10.1	*
Hysterectomy	13	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,778	8.6	9.9	0.7	13.3	15.1	0.9	17.2	19.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	115	29.6	31.3	4.5	33.0	35.1	4.6	33.9	38.7	5.2
Congestive Heart Failure	148	15.5	16.7	3.2	24.3	25.3	3.9	27.7	32.5	5.6
Pneumonia/Influenza	131	16.0	21.1	4.8	26.0	28.3	4.3	35.1	33.6	4.9
Chronic Obstructive Pulmonary Disease	19	10.5	9.1	*	36.8	16.8	*	36.8	23.1	*
Transient Cerebral Ischemia	76	1.3	2.2	2.3	5.3	4.6	3.0	7.9	7.0	4.5
Stroke	108	19.4	24.5	5.0	31.5	32.2	4.5	37.0	36.9	4.8
Hip Fracture	67	7.5	7.7	3.4	9.0	14.3	6.1	17.9	18.7	5.1
Sepsis	15	40.0	32.6	*	46.7	42.8	*	46.7	50.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	26	0.0	5.9	*	3.8	10.6	*	7.7	14.4	*
Carotid Endarterectomy	18	5.6	1.9	*	5.6	3.5	*	11.1	5.1	*
Hip Replacement/Reconstruction	30	0.0	4.8	*	0.0	9.2	*	13.3	12.1	*
Open Reduction of Hip Fracture	35	8.6	6.8	*	11.4	13.4	*	17.1	18.1	*
Prostatectomy	69	1.4	0.9	1.4	2.9	2.3	1.9	4.3	3.9	2.4
Cholecystectomy	45	0.0	1.9	*	0.0	3.5	*	2.2	4.8	*
Hysterectomy	10	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LAWRENCE MEMORIAL HOSPITAL OF MEDFORD

170 Governors Ave
Medford, MA 02155

Medicare Provider Number: 220070

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,362	8.6	9.0	0.9	13.1	13.9	1.6	17.1	17.8	1.6
CONDITIONS:										
Acute Myocardial Infarction	62	27.4	27.9	8.2	33.9	32.4	8.7	33.9	36.4	6.5
Congestive Heart Failure	67	13.4	18.2	9.5	23.9	28.0	8.7	32.8	35.6	8.7
Pneumonia/Influenza	68	11.8	15.9	7.2	14.7	21.6	9.5	17.6	26.0	11.5
Chronic Obstructive Pulmonary Disease	15	0.0	6.1	*	0.0	11.2	*	20.0	16.3	*
Transient Cerebral Ischemia	21	0.0	2.2	*	0.0	4.9	*	0.0	7.8	*
Stroke	35	8.6	18.3	*	8.6	24.7	*	17.1	28.9	*
Hip Fracture	36	8.3	7.6	*	11.1	13.4	*	13.9	17.1	*
Sepsis	2	0.0	31.2	*	50.0	39.7	*	50.0	45.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	11.1	3.6	*	22.2	6.5	*	22.2	9.2	*
Carotid Endarterectomy	3	0.0	1.1	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	17	5.9	4.1	*	5.9	8.0	*	11.8	10.8	*
Open Reduction of Hip Fracture	19	5.3	6.0	*	10.5	11.4	*	15.8	15.3	*
Prostatectomy	28	0.0	1.0	*	0.0	2.6	*	3.6	4.4	*
Cholecystectomy	16	0.0	2.3	*	0.0	4.1	*	6.3	5.4	*
Hysterectomy	1	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	175
Occupancy Rate	57
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	96
Percent of Physicians Board Certified Specialists	92
Medical Residents/Interns	0
Registered Nurses	119
Licensed Practical Nurses	10

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

LAWRENCE MEMORIAL HOSPITAL OF MEDFORD

Medicare Provider Number: 220070

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)								
CATEGORY	NUMBER OF CASES	30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,421	8.7	8.7	0.8	14.1	13.5	1.0	18.0	17.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	56	28.6	30.8	7.0	32.1	34.2	7.1	35.7	37.9	6.9
Congestive Heart Failure	60	16.7	17.9	5.1	23.3	27.0	7.9	33.3	33.9	10.5
Pneumonia/Influenza	57	10.5	18.3	7.3	17.5	24.8	6.8	24.6	29.7	6.6
Chronic Obstructive Pulmonary Disease	17	0.0	4.2	*	11.8	8.0	*	17.6	11.6	*
Transient Cerebral Ischemia	16	0.0	3.0	*	0.0	6.8	*	6.3	10.9	*
Stroke	49	16.3	21.9	*	28.6	29.6	*	30.6	34.5	*
Hip Fracture	41	9.8	8.2	*	9.8	14.7	*	12.2	18.8	*
Sepsis	7	14.3	29.2	*	14.3	38.3	*	28.6	44.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	13.3	16.4	*	20.0	22.6	*	26.7	27.1	*
Carotid Endarterectomy	5	0.0	1.8	*	0.0	3.6	*	0.0	5.3	*
Hip Replacement/Reconstruction	14	0.0	5.1	*	0.0	9.8	*	7.1	12.9	*
Open Reduction of Hip Fracture	25	12.0	7.7	*	12.0	14.6	*	12.0	19.0	*
Prostatectomy	31	0.0	1.1	*	3.2	2.7	*	6.5	4.6	*
Cholecystectomy	20	5.0	3.4	*	5.0	5.1	*	10.0	5.9	*
Hysterectomy	2	0.0	1.6	*	0.0	3.8	*	0.0	6.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

		MORTALITY RATES (%)								
CATEGORY	NUMBER OF CASES	30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,344	7.8	9.9	1.3	14.2	15.2	1.2	17.6	19.3	1.3
CONDITIONS:										
Acute Myocardial Infarction	62	25.8	34.1	11.4	33.9	38.3	9.9	38.7	42.0	8.1
Congestive Heart Failure	66	13.6	19.7	5.7	31.8	29.5	5.8	39.4	37.0	6.5
Pneumonia/Influenza	54	14.8	17.4	5.3	22.2	23.3	7.1	24.1	27.9	6.4
Chronic Obstructive Pulmonary Disease	13	7.7	5.5	*	7.7	10.3	*	7.7	15.0	*
Transient Cerebral Ischemia	16	0.0	1.9	*	6.3	3.9	*	6.3	6.2	*
Stroke	50	18.0	22.6	*	22.0	29.2	*	22.0	33.6	*
Hip Fracture	37	8.1	7.7	*	21.6	14.2	*	21.6	18.4	*
Sepsis	7	42.9	29.5	*	42.9	34.8	*	42.9	40.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	4.0	*	13.3	8.9	*	13.3	13.6	*
Carotid Endarterectomy	5	0.0	1.5	*	0.0	2.8	*	0.0	4.1	*
Hip Replacement/Reconstruction	18	0.0	6.5	*	16.7	12.2	*	16.7	15.9	*
Open Reduction of Hip Fracture	18	11.1	6.6	*	27.8	13.2	*	27.8	17.8	*
Prostatectomy	23	4.3	1.1	*	4.3	2.5	*	4.3	4.1	*
Cholecystectomy	12	0.0	1.8	*	8.3	3.3	*	8.3	4.6	*
Hysterectomy	6	0.0	3.1	*	0.0	5.8	*	0.0	8.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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CHARLES F JOHNSON
PRESIDENT

Lawrence Memorial Hospital
of Medford

170 Governors Avenue
Medford, Massachusetts
02155
617-396-9250

January 1, 1991

Gail Wilensky, Ph.D.
Administrator
Health Care Financing Authority

Dear Dr. Wilensky:

Thank you for the opportunity to review our FY 89 Medicare Mortality rates. We - like you - view this as an opportunity to review, and improve care provided to beneficiaries. Our governing body has been apprised of this data since its' inception, and they congratulate you on this on-going effort.

We were pleased to find that our overall observed mortality was below that predicted. We have carefully reviewed our one "deviant" statistic - deaths associated with pacemakers - and note that in FY 89 four deaths occurred (vs. 2 predicted). In all cases, death was attributable to the natural history of the underlying heart disease, not the procedure. Moreover, for the three years of pooled data, (FY 87-89) our results are those expected, illustrating the value of an adequate sample size.

Best regards in your new position!

Charles Johnson
President

Edward P. Butler, M.D.
Chief of Staff

AN AFFILIATED TEACHING HOSPITAL OF TUFTS UNI INE.

LEOMINSTER HOSPITAL

Hospital Rd
Leominster, MA 01453

Medicare Provider Number: 220094

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	992	10.5	10.8	1.1	16.1	16.2	1.2	21.5	20.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	40	12.5	26.9	*	12.5	30.4	*	25.0	33.7	*
Congestive Heart Failure	57	21.1	17.4	5.4	42.1	26.8	8.1	50.9	34.3	9.7
Pneumonia/Influenza	74	21.6	17.9	6.4	23.0	24.1	6.3	31.1	29.1	6.0
Chronic Obstructive Pulmonary Disease	11	18.2	9.5	*	27.3	17.8	*	45.5	23.9	*
Transient Cerebral Ischemia	18	5.6	1.6	*	11.1	3.5	*	11.1	5.5	*
Stroke	26	15.4	18.1	*	15.4	26.2	*	23.1	31.0	*
Hip Fracture	26	3.8	6.1	*	11.5	11.2	*	11.5	14.7	*
Sepsis	18	44.4	32.4	*	50.0	40.1	*	55.6	46.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	6.0	*	0.0	9.1	*	11.1	11.6	*
Carotid Endarterectomy	6	16.7	1.3	*	16.7	2.3	*	16.7	3.4	*
Hip Replacement/Reconstruction	12	0.0	2.8	*	0.0	5.5	*	0.0	7.6	*
Open Reduction of Hip Fracture	19	5.3	5.8	*	15.8	11.0	*	15.8	14.6	*
Prostatectomy	13	0.0	0.4	*	0.0	0.9	*	0.0	1.5	*
Cholecystectomy	17	0.0	1.5	*	0.0	2.6	*	0.0	3.4	*
Hysterectomy	5	0.0	0.7	*	0.0	1.7	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	136
Occupancy Rate	60
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	83
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	0
Registered Nurses	98
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

LEOMINSTER HOSPITAL

Medicare Provider Number: 220094

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,014	8.5	9.9	1.4	13.0	15.1	1.8	16.8	19.1	2.0
CONDITIONS:										
Acute Myocardial Infarction	41	14.6	21.6	*	19.5	25.2	*	24.4	28.8	*
Congestive Heart Failure	61	6.6	15.5	6.6	16.4	24.0	7.0	16.4	31.0	8.7
Pneumonia/Influenza	53	17.0	18.8	6.6	26.4	25.9	6.7	32.1	31.1	7.5
Chronic Obstructive Pulmonary Disease	3	0.0	14.5	*	0.0	21.2	*	0.0	26.6	*
Transient Cerebral Ischemia	21	4.8	2.2	*	4.8	4.8	*	9.5	7.6	*
Stroke	34	23.5	17.6	*	29.4	24.7	*	41.2	29.5	*
Hip Fracture	32	0.0	6.3	*	3.1	11.5	*	6.3	14.8	*
Sepsis	20	10.0	22.5	*	15.0	30.5	*	30.0	36.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	2.8	*	0.0	4.9	*	0.0	6.8	*
Carotid Endarterectomy	12	8.3	1.5	*	8.3	2.7	*	8.3	4.0	*
Hip Replacement/Reconstruction	13	0.0	3.4	*	0.0	6.8	*	0.0	9.1	*
Open Reduction of Hip Fracture	22	0.0	6.2	*	4.5	11.7	*	9.1	15.3	*
Prostatectomy	18	0.0	0.7	*	0.0	1.7	*	0.0	2.9	*
Cholecystectomy	15	6.7	3.2	*	6.7	5.2	*	6.7	6.5	*
Hysterectomy	8	0.0	0.5	*	0.0	1.2	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	983	9.8	10.3	1.3	14.9	15.5	1.5	19.2	19.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	38	21.1	29.8	*	28.9	33.4	*	34.2	36.8	*
Congestive Heart Failure	40	7.5	18.6	*	17.5	27.9	*	25.0	35.2	*
Pneumonia/Influenza	44	13.6	16.4	*	15.9	21.8	*	18.2	26.4	*
Chronic Obstructive Pulmonary Disease	10	0.0	13.1	*	10.0	19.6	*	30.0	23.2	*
Transient Cerebral Ischemia	8	12.5	2.0	*	12.5	4.2	*	12.5	6.7	*
Stroke	58	15.5	17.7	5.6	24.1	25.1	6.0	25.9	29.7	8.1
Hip Fracture	21	9.5	6.5	*	9.5	12.0	*	9.5	15.8	*
Sepsis	16	18.8	27.3	*	25.0	36.1	*	43.8	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	4.4	*	11.1	8.9	*	11.1	13.2	*
Carotid Endarterectomy	11	0.0	1.3	*	0.0	2.4	*	9.1	3.5	*
Hip Replacement/Reconstruction	5	20.0	7.6	*	20.0	15.0	*	20.0	20.2	*
Open Reduction of Hip Fracture	12	8.3	5.1	*	8.3	9.7	*	8.3	12.8	*
Prostatectomy	22	0.0	0.7	*	0.0	1.9	*	9.1	3.3	*
Cholecystectomy	26	11.5	3.1	*	11.5	5.7	*	11.5	7.7	*
Hysterectomy	6	0.0	2.2	*	0.0	4.3	*	16.7	6.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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LEOMINSTER
HOSPITAL

January 15, 1991 Hospital ID #220094

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D 2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Thank you for your recent submission of HCFA mortality data to Leominster Hospital. As you know, we believe that mortality information may be useful for clinicians and administrators of health care institutions for screening purposes to help analyze the quality and appropriateness of the services they provide. Accordingly, and as in the past, we will forward this information, along with other useful indicators, to our Medical Quality Review Committee for its assessment.

Sincerely,

JMCarlson

John M. Carlson
Executive Vice President & C.O.O.

JMC/rmc

Hospital Road
Leominster, MA 01453
(508) 537-4811

LEONARD MORSE HOSPITAL

67 Union St
Natick, MA 01760

Medicare Provider Number: 220048

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,514	8.5	8.1	0.8	12.4	12.8	0.9	16.0	16.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	58	31.0	25.1	8.0	31.0	28.6	7.3	36.2	31.9	7.5
Congestive Heart Failure	78	12.8	15.9	4.3	15.4	25.3	6.1	20.5	32.6	7.3
Pneumonia/Influenza	66	13.6	15.4	4.7	19.7	21.3	5.2	22.7	25.7	6.6
Chronic Obstructive Pulmonary Disease	18	0.0	6.2	*	11.1	11.6	*	16.7	16.3	*
Transient Cerebral Ischemia	24	0.0	1.8	*	0.0	4.1	*	0.0	6.7	*
Stroke	48	25.0	18.0	*	27.1	25.3	*	31.3	29.9	*
Hip Fracture	37	8.1	4.9	*	8.1	8.9	*	13.5	11.7	*
Sepsis	9	55.6	32.6	*	55.6	42.5	*	55.6	48.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.8	*	0.0	6.3	*	0.0	9.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	23	4.3	3.4	*	13.0	6.9	*	17.4	9.6	*
Open Reduction of Hip Fracture	20	5.0	5.1	*	5.0	9.8	*	5.0	13.0	*
Prostatectomy	51	0.0	0.6	*	0.0	1.5	*	0.0	2.6	*
Cholecystectomy	20	0.0	2.5	*	5.0	4.8	*	5.0	6.6	*
Hysterectomy	8	0.0	0.7	*	0.0	1.4	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	223
Occupancy Rate	67
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	96
Percent of Physicians Board Certified Specialists	85
Medical Residents/Interns	0
Registered Nurses	168
Licensed Practical Nurses	38

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

LEONARD MORSE HOSPITAL

Medicare Provider Number: 220048

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,591	7.2	9.4	0.9	11.8	14.5	1.2	14.6	18.5	1.3
CONDITIONS:										
Acute Myocardial Infarction	64	26.6	30.0	6.1	35.9	34.1	6.3	40.6	37.9	6.4
Congestive Heart Failure	79	16.5	17.3	5.4	24.1	26.4	7.8	30.4	33.7	9.0
Pneumonia/Influenza	91	9.9	20.7	5.6	22.0	27.2	5.3	23.1	32.1	5.7
Chronic Obstructive Pulmonary Disease	25	4.0	4.8	*	12.0	9.7	*	12.0	13.8	*
Transient Cerebral Ischemia	34	0.0	1.9	*	2.9	4.2	*	5.9	6.6	*
Stroke	51	23.5	20.3	6.3	27.5	28.6	6.4	35.3	33.5	7.0
Hip Fracture	32	6.3	8.2	*	9.4	14.5	*	9.4	18.4	*
Sepsis	14	28.6	28.1	*	42.9	36.0	*	42.9	41.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.0	*	0.0	5.6	*	0.0	8.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	19	0.0	4.0	*	0.0	7.8	*	0.0	10.5	*
Open Reduction of Hip Fracture	17	11.8	8.4	*	17.6	15.4	*	17.6	19.6	*
Prostatectomy	66	1.5	1.0	2.3	4.5	2.4	3.2	6.1	4.0	4.2
Cholecystectomy	19	0.0	2.6	*	5.3	5.1	*	5.3	7.0	*
Hysterectomy	11	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,635	8.0	9.6	0.9	12.5	14.8	1.2	15.9	18.9	1.4
CONDITIONS:										
Acute Myocardial Infarction	59	22.0	27.4	7.9	27.1	31.0	7.2	28.8	34.5	7.6
Congestive Heart Failure	89	21.3	20.0	4.4	28.1	29.8	6.0	33.7	37.3	6.7
Pneumonia/Influenza	68	13.2	18.9	5.8	20.6	25.5	7.3	23.5	30.7	7.0
Chronic Obstructive Pulmonary Disease	29	3.4	4.7	*	6.9	10.1	*	13.8	15.2	*
Transient Cerebral Ischemia	51	2.0	2.7	2.8	5.9	6.1	3.4	9.8	9.9	4.2
Stroke	54	18.5	21.7	7.4	27.8	29.3	6.4	31.5	34.0	7.4
Hip Fracture	29	0.0	7.4	*	0.0	13.1	*	3.4	16.7	*
Sepsis	13	7.7	24.8	*	23.1	32.3	*	30.8	38.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	0.0	4.3	*	11.1	8.5	*	11.1	12.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	18	0.0	2.7	*	0.0	5.1	*	5.6	6.7	*
Open Reduction of Hip Fracture	10	0.0	5.8	*	0.0	11.1	*	0.0	14.7	*
Prostatectomy	63	0.0	1.0	1.5	3.2	2.5	3.0	3.2	4.3	3.7
Cholecystectomy	30	0.0	2.5	*	0.0	4.1	*	3.3	5.1	*
Hysterectomy	17	0.0	0.7	*	0.0	1.6	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

251.1

Leonard
Morse
Hospital

January 13, 1991

Attn: Mrs Sandra Kappert
Dr. Gail R. Wilensky
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Medicare Mortality Data, 1989
Hospital ID # 220048

Dear Dr. Wilensky,

Thank you for the opportunity to comment on the Medicare Hospital Mortality Data. The Hospital is responding in order to issue a statement to be published with the data (enclosed). Please let me know if there is any further information you need.

Sincerely,

Janice Wyatt

Janice Wyatt, Chief Executive Officer

rp/encl

Affiliated with the
Tufts University
School of Medicine –
New England
Medical Center

67 Union Street
Natick,
Massachusetts
01760
(508) 653-3400

Leonard Morse Hospital
Hospital ID# 220048
HCFA MORTALITY DATA, 1989

The Leonard Morse Hospital welcomes this opportunity to comment on the HCFA mortality data so that additional information can be provided to help the public interpret these data.

HCFA data are not intended to rate hospital performance, but may be helpful for the ongoing assessment of patient care within a pre-existing quality assurance program. Leonard Morse Hospital has had such a program of rigorous monitoring and evaluation of care in the hospital for many years.

The following are some general comments that could be made at this point concerning the latest HCFA Mortality Data. The data are still not useful taken alone. The source of the data is problematic, as it is not the medical record, but a financial document - the patient bill. This means that there is virtually no clinical information that goes into the preparation of the mortality statistics. Because of this, there have been and will be high error rates. For example, HCFA has no way of excluding those cases where death after discharge was expected and/or imminent. The patient bill does not indicate when there was a medical order "do not resuscitate". Leonard Morse Hospital appreciates that HCFA has recognized this difficulty and has attempted to adjust for severity using a very complex statistical method this year. However, this cannot compensate for incomplete/flawed data.

Sample size is also a problem. For most of the data for Leonard Morse Hospital, the number of cases are so small that no standard deviations could be calculated. Therefore, it is impossible to know if the Leonard Morse death rates over the predicted rates were statistically significant. However, it should be noted that where standard deviations could be calculated for given categories, Leonard Morse death rates fell within one standard deviation, so cannot be called statistically significant. The question still remains - which, if any of the data, is clinically significant? In other words, the data cannot and never will tell us about the quality of care being provided.

Despite the data's flawed nature, we intend to investigate the HCFA Mortality Data in our present Quality Assurance Program. In the event that there is any opportunity to improve care, we will make good use of the data. We at Leonard Morse are proud of the quality of the patient care delivered in the Hospital. We will work conscientiously to continue providing optimal patient care now and in the future.

LOWELL GENERAL HOSPITAL

295 Varnum Avenue
Lowell, MA 01854

Medicare Provider Number: 220063

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,265	10.0	9.4	1.1	14.7	14.6	1.4	18.4	18.9	1.9
CONDITIONS:										
Acute Myocardial Infarction	48	27.1	24.6	*	31.3	28.7	*	31.3	32.5	*
Congestive Heart Failure	76	10.5	16.1	7.4	19.7	24.8	6.0	30.3	32.0	5.5
Pneumonia/Influenza	49	26.5	19.8	*	30.6	26.8	*	32.7	32.2	*
Chronic Obstructive Pulmonary Disease	12	0.0	8.8	*	8.3	17.8	*	16.7	25.8	*
Transient Cerebral Ischemia	17	5.9	2.0	*	5.9	4.5	*	5.9	7.3	*
Stroke	47	36.2	23.2	*	42.6	29.6	*	44.7	34.1	*
Hip Fracture	39	12.8	7.8	*	25.6	14.4	*	28.2	19.0	*
Sepsis	14	14.3	23.3	*	14.3	29.0	*	21.4	34.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	4.4	*	20.0	8.7	*	20.0	12.5	*
Carotid Endarterectomy	4	0.0	1.2	*	0.0	2.2	*	25.0	3.3	*
Hip Replacement/Reconstruction	14	7.1	4.3	*	14.3	8.2	*	14.3	11.2	*
Open Reduction of Hip Fracture	28	7.1	6.5	*	21.4	12.8	*	25.0	17.4	*
Prostatectomy	42	0.0	1.2	*	0.0	3.0	*	0.0	5.1	*
Cholecystectomy	19	0.0	2.1	*	5.3	3.7	*	5.3	4.6	*
Hysterectomy	13	0.0	0.8	*	0.0	1.9	*	0.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	242
Occupancy Rate	73
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	171
Percent of Physicians Board Certified Specialists	74
Medical Residents/Interns	0
Registered Nurses	214
Licensed Practical Nurses	68

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

LOWELL GENERAL HOSPITAL

Medicare Provider Number: 220063

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,391	11.0	10.4	1.0	16.5	15.7	1.2	20.6	19.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	70	20.0	25.1	8.4	22.9	29.3	8.3	30.0	33.3	7.8
Congestive Heart Failure	89	12.4	16.8	7.3	20.2	25.4	8.9	29.2	32.3	8.2
Pneumonia/Influenza	65	23.1	19.2	7.9	33.8	25.4	7.6	35.4	30.1	6.8
Chronic Obstructive Pulmonary Disease	23	26.1	8.6	*	30.4	13.8	*	30.4	18.3	*
Transient Cerebral Ischemia	24	0.0	1.8	*	4.2	3.9	*	12.5	6.2	*
Stroke	79	20.3	24.5	7.9	25.3	31.3	7.3	27.8	35.9	7.9
Hip Fracture	34	8.8	5.5	*	11.8	10.4	*	14.7	13.8	*
Sepsis	12	8.3	31.7	*	25.0	40.1	*	33.3	46.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	9.4	*	0.0	14.0	*	12.5	18.3	*
Carotid Endarterectomy	3	0.0	1.6	*	0.0	2.8	*	0.0	4.2	*
Hip Replacement/Reconstruction	14	14.3	3.6	*	28.6	7.2	*	28.6	9.8	*
Open Reduction of Hip Fracture	18	5.6	4.1	*	5.6	8.2	*	5.6	11.3	*
Prostatectomy	49	6.1	1.0	*	12.2	2.6	*	14.3	4.4	*
Cholecystectomy	20	0.0	2.1	*	0.0	4.2	*	5.0	6.1	*
Hysterectomy	17	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,373	10.7	10.8	0.9	16.2	16.5	1.3	19.9	21.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	80	25.0	26.2	5.1	31.3	30.6	6.4	32.5	34.7	6.3
Congestive Heart Failure	90	13.3	18.0	5.1	21.1	27.3	6.6	26.7	34.8	7.7
Pneumonia/Influenza	72	22.2	21.0	5.3	29.2	28.3	7.8	29.2	33.9	6.5
Chronic Obstructive Pulmonary Disease	23	8.7	8.7	*	17.4	15.7	*	17.4	21.4	*
Transient Cerebral Ischemia	29	3.4	1.6	*	6.9	3.5	*	6.9	5.6	*
Stroke	56	17.9	26.2	11.6	26.8	33.1	13.9	30.4	38.2	13.4
Hip Fracture	43	2.3	7.4	*	4.7	13.7	*	11.6	18.2	*
Sepsis	9	33.3	21.3	*	44.4	30.2	*	44.4	37.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	4.8	*	0.0	9.1	*	0.0	12.9	*
Carotid Endarterectomy	5	0.0	1.4	*	0.0	2.7	*	0.0	3.8	*
Hip Replacement/Reconstruction	21	0.0	4.0	*	4.8	6.9	*	9.5	9.2	*
Open Reduction of Hip Fracture	23	0.0	6.7	*	0.0	12.9	*	8.7	17.4	*
Prostatectomy	35	0.0	1.2	*	2.9	2.7	*	5.7	4.5	*
Cholecystectomy	27	3.7	2.6	*	7.4	5.0	*	7.4	6.7	*
Hysterectomy	9	0.0	2.6	*	0.0	3.5	*	0.0	4.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Lowell General Hospital LGH Varnum Avenue Lowell, Massachusetts 01854-2195 Phone (617) 937-6000
Medicare Provider #220063

December 18, 1990

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kapert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kapert:

Once again, thank you for allowing us the opportunity of commenting on the Medicare Hospital Mortality Information Report. Overall, we are pleased to see that Lowell General Hospital has performed at or below the predicted mortality rates.

Because of the scanty number of cases in each category, only one, congestive heart failure, has been targeted for review. Preliminary review shows the difference between the observed and the predicted mortality rates to be statistically insignificant. The data, however, will be forwarded to the Medical Staff's Quality Assurance Committee as part of our ongoing Quality Assurance Program.

As always, we applaud the Health Care Finance Administration's efforts in getting information to the general public about the effectiveness of medical care. There is, however, evidence in the literature supporting our longstanding contention that inpatient death rates give a biased picture of mortality. In our view, additional diagnoses such as those associated with chronic conditions very strongly influence mortality, and are generally under-reported in severely ill patients. Without documentation of these comorbid conditions, statistical analysis is likely to be flawed.

Once again, we assert our position that the mortality report alone and without explanation could be mistakenly construed as a consumer guide to hospital quality, and should not under any circumstances be considered the sole indicator of quality in and among hospitals.

Thank you.

Sincerely,

Robert A. Donovan

Robert A. Donovan
President/Chief Executive Officer

RAD:SPM:JDR

LUDLOW HOSPITAL

14 Chestnut Place
Ludlow, MA 01056

Medicare Provider Number: 220099

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	577	10.7	8.9	1.9	17.2	13.6	1.9	19.9	17.4	1.9
CONDITIONS:										
Acute Myocardial Infarction	25	20.0	21.8	*	24.0	24.2	*	28.0	27.0	*
Congestive Heart Failure	48	25.0	13.6	*	31.3	20.9	*	39.6	27.5	*
Pneumonia/Influenza	20	20.0	16.3	*	30.0	22.5	*	35.0	27.4	*
Chronic Obstructive Pulmonary Disease	8	12.5	3.7	*	12.5	7.6	*	12.5	11.5	*
Transient Cerebral Ischemia	12	0.0	1.9	*	0.0	4.2	*	0.0	6.8	*
Stroke	24	25.0	18.0	*	37.5	24.4	*	37.5	28.6	*
Hip Fracture	11	0.0	6.4	*	18.2	12.5	*	18.2	17.0	*
Sepsis	11	0.0	21.6	*	0.0	27.4	*	0.0	32.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	4.0	*	0.0	8.9	*	0.0	14.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	2.5	*	0.0	5.1	*	0.0	7.4	*
Open Reduction of Hip Fracture	6	0.0	7.4	*	33.3	15.1	*	33.3	20.8	*
Prostatectomy	16	0.0	0.9	*	0.0	2.2	*	0.0	3.6	*
Cholecystectomy	17	0.0	2.0	*	5.9	3.9	*	5.9	5.8	*
Hysterectomy	4	0.0	1.6	*	0.0	3.9	*	0.0	6.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	44
Occupancy Rate	64
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	32
Percent of Physicians Board Certified Specialists	56
Medical Residents/Interns	0
Registered Nurses	39
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

LUDLOW HOSPITAL

Medicare Provider Number: 220099

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	572	10.7	9.4	2.1	16.1	14.4	2.3	19.4	18.1	2.3
CONDITIONS:										
Acute Myocardial Infarction	26	34.6	31.6	*	38.5	35.1	*	46.2	38.6	*
Congestive Heart Failure	36	19.4	13.5	*	25.0	20.9	*	38.9	27.2	*
Pneumonia/Influenza	19	15.8	14.2	*	21.1	19.4	*	21.1	23.5	*
Chronic Obstructive Pulmonary Disease	7	0.0	6.3	*	14.3	14.8	*	28.6	22.7	*
Transient Cerebral Ischemia	22	0.0	2.0	*	4.5	4.5	*	4.5	7.3	*
Stroke	17	17.6	20.2	*	29.4	29.2	*	35.3	34.7	*
Hip Fracture	18	5.6	4.3	*	11.1	8.2	*	11.1	11.0	*
Sepsis	9	33.3	38.4	*	44.4	49.2	*	44.4	55.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.4	*	0.0	3.2	*	0.0	5.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	2.8	*	11.1	5.5	*	11.1	7.5	*
Open Reduction of Hip Fracture	7	14.3	4.7	*	14.3	8.9	*	14.3	11.9	*
Prostatectomy	14	0.0	1.0	*	0.0	2.2	*	7.1	3.5	*
Cholecystectomy	10	10.0	2.4	*	10.0	4.6	*	10.0	6.4	*
Hysterectomy	5	0.0	0.9	*	0.0	2.1	*	0.0	3.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	538	11.9	9.3	2.5	16.5	14.5	2.3	19.1	18.7	2.1
CONDITIONS:										
Acute Myocardial Infarction	25	32.0	25.1	*	32.0	28.2	*	32.0	31.1	*
Congestive Heart Failure	37	24.3	17.2	*	37.8	26.1	*	40.5	33.3	*
Pneumonia/Influenza	23	34.8	16.4	*	43.5	22.0	*	47.8	26.6	*
Chronic Obstructive Pulmonary Disease	13	7.7	7.9	*	7.7	13.1	*	15.4	17.6	*
Transient Cerebral Ischemia	10	0.0	1.9	*	0.0	4.2	*	0.0	6.8	*
Stroke	16	18.8	17.7	*	18.8	24.7	*	25.0	29.2	*
Hip Fracture	20	10.0	6.7	*	20.0	12.6	*	20.0	16.5	*
Sepsis	10	10.0	25.5	*	20.0	35.2	*	20.0	42.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.5	*	0.0	5.6	*	0.0	8.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	11.1	4.3	*	22.2	8.7	*	22.2	12.0	*
Open Reduction of Hip Fracture	13	7.7	6.3	*	15.4	12.2	*	15.4	16.3	*
Prostatectomy	15	0.0	1.5	*	0.0	3.7	*	0.0	6.4	*
Cholecystectomy	10	0.0	2.4	*	0.0	4.0	*	10.0	5.3	*
Hysterectomy	2	0.0	5.3	*	0.0	11.0	*	0.0	16.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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Ludlow Hospital

January 7, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Ludlow Hospital has received and reviewed the mortality data furnished by the Health Care Financing Administration and the following is our response to this information.

Out of a total of 577 patients included in the survey, all mortality cases were reviewed from both the high/low risk categories. The review revealed that the actual mortality rate in all categories was within the predicated mortality range provided by HCFA.

Upon further review, results showed a figure of only 10% of all the mortalities were patients having expired within the facility. An error rate of 4% was also identified as patients having expired not only outside of the facility but also over the 180 days for the selected admissions.

With regard to the specific hospital characteristics for Ludlow Hospital, we would be pleased to provide any interested persons with the accurate numbers and that such person or persons should contact the Hospital to obtain this information.

Respectfully submitted,

Judith Knight, RN

Judith Knight, RN
Utilization Review Coordinator
pr

cc: Administration

Chestnut Place
Ludlow MA
01056
413-583-[illegible]

Reaching out with personal care

MA OSTEO HOSPITAL & MEDICAL CENTER

222 South Huntington Avenue
Boston, MA 02130

Medicare Provider Number: 220117

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	382	3.1	4.4	1.3	7.1	8.5	1.7	11.5	12.6	1.8
CONDITIONS:										
Acute Myocardial Infarction	2	0.0	27.0	*	0.0	29.6	*	0.0	32.9	*
Congestive Heart Failure	5	0.0	17.9	*	0.0	28.1	*	20.0	36.4	*
Pneumonia/Influenza	6	0.0	12.6	*	16.7	17.1	*	16.7	21.1	*
Chronic Obstructive Pulmonary Disease	2	0.0	18.0	*	0.0	28.6	*	0.0	36.1	*
Transient Cerebral Ischemia	1	0.0	1.0	*	0.0	1.8	*	0.0	2.7	*
Stroke	6	0.0	30.0	*	0.0	35.6	*	0.0	40.2	*
Hip Fracture	1	0.0	4.1	*	0.0	7.4	*	0.0	9.8	*
Sepsis	2	0.0	36.7	*	0.0	46.3	*	50.0	52.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	2.6	*	0.0	5.6	*	0.0	8.4	*
Open Reduction of Hip Fracture	0									
Prostatectomy	2	0.0	0.6	*	0.0	1.6	*	50.0	2.9	*
Cholecystectomy	3	0.0	9.5	*	33.3	20.7	*	33.3	28.6	*
Hysterectomy	1	0.0	0.8	*	0.0	1.8	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	57
Occupancy Rate	58
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MA OSTEO HOSPITAL & MEDICAL CENTER

Medicare Provider Number: 220117

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	364	4.7	4.7	1.9	10.2	8.8	2.8	14.0	12.6	1.9
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	23.5	*	0.0	25.6	*	0.0	28.1	*
Congestive Heart Failure	7	28.6	16.2	*	28.6	24.4	*	28.6	31.4	*
Pneumonia/Influenza	8	12.5	15.4	*	12.5	21.6	*	12.5	26.2	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	3	0.0	1.7	*	0.0	3.5	*	0.0	5.4	*
Stroke	1	0.0	62.9	*	0.0	69.0	*	0.0	74.0	*
Hip Fracture	2	0.0	4.7	*	0.0	9.3	*	0.0	12.7	*
Sepsis	1	0.0	18.4	*	0.0	27.7	*	100.0	32.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	3.8	*	0.0	7.8	*	0.0	10.7	*
Prostatectomy	2	0.0	4.1	*	50.0	10.5	*	50.0	17.9	*
Cholecystectomy	0									
Hysterectomy	1	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	285	5.3	5.7	1.5	9.8	9.5	1.9	13.3	13.0	2.0
CONDITIONS:										
Acute Myocardial Infarction	2	100.0	19.0	*	100.0	22.4	*	100.0	25.9	*
Congestive Heart Failure	14	14.3	17.3	*	14.3	27.2	*	14.3	35.2	*
Pneumonia/Influenza	15	26.7	18.7	*	33.3	26.2	*	46.7	31.8	*
Chronic Obstructive Pulmonary Disease	2	0.0	7.4	*	0.0	14.2	*	0.0	20.0	*
Transient Cerebral Ischemia	2	0.0	0.8	*	0.0	1.7	*	0.0	2.7	*
Stroke	2	50.0	34.4	*	50.0	39.1	*	50.0	43.1	*
Hip Fracture	1	0.0	8.5	*	0.0	14.2	*	0.0	17.4	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	33.3	10.0	*	33.3	20.9	*	33.3	30.1	*
Open Reduction of Hip Fracture	0									
Prostatectomy	4	0.0	1.3	*	0.0	3.7	*	0.0	6.6	*
Cholecystectomy	0									
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

MARLBOROUGH HOSPITAL

57 Union St
Marlborough, MA 01752

Medicare Provider Number: 220049

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	978	9.8	11.1	1.6	15.6	16.9	1.7	19.7	21.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	55	14.5	25.5	8.2	18.2	28.9	7.6	27.3	32.5	6.7
Congestive Heart Failure	51	19.6	17.0	6.3	23.5	26.7	7.4	31.4	34.3	9.6
Pneumonia/Influenza	55	16.4	20.7	6.0	30.9	28.0	6.4	34.5	33.5	7.1
Chronic Obstructive Pulmonary Disease	15	13.3	5.7	*	13.3	11.1	*	13.3	16.0	*
Transient Cerebral Ischemia	17	0.0	2.0	*	0.0	4.2	*	0.0	6.6	*
Stroke	40	15.0	21.3	*	25.0	27.6	*	30.0	31.9	*
Hip Fracture	16	18.8	5.4	*	18.8	9.8	*	18.8	12.8	*
Sepsis	17	29.4	28.4	*	29.4	37.2	*	41.2	43.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	7.0	*	11.1	11.8	*	33.3	15.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	50.0	5.1	*	50.0	11.1	*	50.0	16.0	*
Open Reduction of Hip Fracture	9	0.0	5.5	*	0.0	10.4	*	0.0	13.6	*
Prostatectomy	33	0.0	0.9	*	3.0	2.3	*	6.1	3.9	*
Cholecystectomy	19	5.3	3.9	*	5.3	6.3	*	10.5	7.8	*
Hysterectomy	3	0.0	1.7	*	0.0	4.5	*	0.0	8.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	156
Occupancy Rate	60
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	84
Percent of Physicians Board Certified Specialists	68
Medical Residents/Interns	0
Registered Nurses	130
Licensed Practical Nurses	27

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MARLBOROUGH HOSPITAL

Medicare Provider Number: 220049

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	930	11.8	12.6	1.5	18.1	18.6	1.6	22.3	23.2	1.8
CONDITIONS:										
Acute Myocardial Infarction	52	30.8	31.8	6.7	32.7	35.6	7.1	34.6	39.6	8.7
Congestive Heart Failure	47	12.8	19.0	*	27.7	28.9	*	36.2	36.7	*
Pneumonia/Influenza	49	22.4	23.4	*	28.6	30.7	*	34.7	36.2	*
Chronic Obstructive Pulmonary Disease	8	12.5	9.0	*	25.0	18.7	*	37.5	26.0	*
Transient Cerebral Ischemia	16	6.3	2.1	*	6.3	4.8	*	12.5	7.7	*
Stroke	49	24.5	23.3	*	32.7	30.8	*	36.7	35.6	*
Hip Fracture	26	7.7	8.4	*	11.5	15.3	*	15.4	19.6	*
Sepsis	12	16.7	23.1	*	25.0	29.3	*	25.0	34.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	20.0	9.0	*	30.0	12.1	*	40.0	14.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	8.1	*	12.5	16.3	*	12.5	21.7	*
Open Reduction of Hip Fracture	16	12.5	6.9	*	12.5	12.9	*	18.8	16.6	*
Prostatectomy	30	0.0	1.3	*	0.0	3.2	*	0.0	5.1	*
Cholecystectomy	8	0.0	2.5	*	0.0	4.1	*	0.0	5.0	*
Hysterectomy	2	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	913	12.8	12.5	1.2	17.6	18.4	1.7	21.9	22.8	1.9
CONDITIONS:										
Acute Myocardial Infarction	56	28.6	30.4	8.0	37.5	34.2	9.9	39.3	37.8	9.2
Congestive Heart Failure	50	18.0	20.0	*	22.0	29.6	*	26.0	37.1	*
Pneumonia/Influenza	39	25.6	23.8	*	38.5	31.3	*	38.5	36.9	*
Chronic Obstructive Pulmonary Disease	13	23.1	14.4	*	30.8	23.8	*	30.8	31.2	*
Transient Cerebral Ischemia	13	0.0	1.6	*	0.0	3.4	*	0.0	5.2	*
Stroke	37	21.6	22.3	*	29.7	30.5	*	40.5	35.3	*
Hip Fracture	26	7.7	8.5	*	19.2	15.3	*	19.2	19.4	*
Sepsis	9	44.4	37.6	*	44.4	45.8	*	44.4	52.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	4.3	*	0.0	8.0	*	0.0	11.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	16.7	9.0	*	16.7	17.2	*	16.7	22.3	*
Open Reduction of Hip Fracture	18	5.6	6.3	*	16.7	12.1	*	16.7	16.0	*
Prostatectomy	26	3.8	1.3	*	3.8	3.0	*	3.8	4.9	*
Cholecystectomy	11	0.0	2.2	*	0.0	3.9	*	0.0	4.8	*
Hysterectomy	5	0.0	0.5	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

259.1

MARLBOROUGH HOSPITAL 57 Union St. Marlborough MA 01752 (508)485-11

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, MD 21207

Attention: Sandra Kappert

Dear Mrs. Kappert:

The H.C.F.A. Medicare Mortality Data represents 978 Medicare patients discharged from Marlborough Hospital between October 1, 1988 and September 30, 1989. However, many were discharged more than once within this time frame.

In examining this data we discovered that ten of the patients were actually transferred from Marlborough Hospital to another acute care facility and were incorrectly included in our data.

Numerous factors affecting these statistics were not utilized in calculating the findings. Therefore I think it is important to identify the factors that are not represented in determining the H.C.F.A. statistics. For example, they do not reveal whether the patients or their representatives in these instances requested life sustaining measures not be initiated. The severity level of the patient's illness is not measured, nor are social or cultural factors represented in your results. Also lacking is the individual patient's level of compliance with medical intervention or indications of whether there were unrelated events, such as motor vehicle accidents which contributed to the patient's demise.

As stated by H.C.F.A., "The precision and interpretability of our estimates are questionable when there are no deaths or 50 or fewer cases in a particular category being analyzed." For Marlborough Hospital, eleven of the fourteen categories for which your statistics were compiled contain fewer than 50 cases; the remaining three categories contain 55 or less. Clearly then, the "precision and interpretability" of these statistics is very limited for our institution.

Of the eight patients in the category of hip replacement/reconstruction, the four patients who died represent an unusual mix of very sick and old people. No elective total hip replacement patients died. The four patients, all of whom were

Participating Hospital: Central Massachusetts Health Care, Family Health Plan, John Hancock Preferred Health Plan, Tufts Associated Health Plan
Community Teaching Hospital: Tufts University School of Medicine, University of Massachusetts Medical School

emergency admissions, had an average age of 85. All of the patients were operated on to reduce their pain and suffering and to improve their quality of life. A sample of only eight patients is not enough to give any meaning to the statistics. Even the federal government has an asterisk after the data signifying that "the number of cases or deaths in this category is too small to permit satisfactory estimations of the standard deviation." In fact, if one adds up all of the Marlborough Hospital fractured hip patients for the past three years, the mortality rate compares favorably with the national average.

It is our belief that statistical death rates do not confirm or deny the quality of patient care management. They should be used to identify areas requiring more in depth review. The only accurate measurement of patient care management is derived through individual clinical review. H.C.F.A. also believes that the Mortality Rate Data is only a single preliminary step in the process of measuring the quality of health care. In keeping with this belief, Marlborough Hospital has had a comprehensive peer review system in place for several years and mortality review is one of multiple elements in this process. The availablity of the H.C.F.A. data regarding deaths subsequent to discharge is a useful addition to our mortality review systems.

Marlborough Hospital supports all efforts to produce indicators that assist health care providers in monitoring and evaluating patient care management. The Marlborough Hospital Board of Directors, Medical Staff, Administration, and employees remain committed to providing high quality care to all members of the communities we serve and who access our services.

Sincerely,

Tom E Cummings

Thomas E. Cummings
President

TEC/mm

MARTHA'S VINEYARD HOSPITAL

Linton Lane
Oak Bluffs, MA 02557

Medicare Provider Number: 220123

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	359	8.4	8.7	1.9	13.4	13.6	1.9	17.0	17.5	2.3
CONDITIONS:										
Acute Myocardial Infarction	10	20.0	23.9	*	20.0	28.0	*	30.0	31.5	*
Congestive Heart Failure	23	17.4	14.3	*	26.1	22.4	*	30.4	29.3	*
Pneumonia/Influenza	11	18.2	23.4	*	27.3	31.9	*	27.3	37.4	*
Chronic Obstructive Pulmonary Disease	3	33.3	17.1	*	33.3	35.7	*	33.3	50.7	*
Transient Cerebral Ischemia	8	0.0	1.8	*	0.0	3.9	*	0.0	6.3	*
Stroke	12	25.0	26.2	*	25.0	33.8	*	25.0	38.2	*
Hip Fracture	7	0.0	5.3	*	14.3	10.2	*	28.6	13.9	*
Sepsis	1	0.0	10.6	*	0.0	14.1	*	0.0	17.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	5.3	*	0.0	11.0	*	0.0	15.1	*
Open Reduction of Hip Fracture	4	0.0	4.1	*	0.0	8.5	*	25.0	12.0	*
Prostatectomy	8	0.0	2.0	*	0.0	4.8	*	0.0	7.6	*
Cholecystectomy	1	0.0	1.1	*	0.0	1.9	*	0.0	2.5	*
Hysterectomy	1	0.0	0.7	*	0.0	1.1	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	80
Occupancy Rate	80
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	19
Percent of Physicians Board Certified Specialists	68
Medical Residents/Interns	0
Registered Nurses	31
Licensed Practical Nurses	4

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MARTHA'S VINEYARD HOSPITAL

Medicare Provider Number: 220123

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	371	7.8	8.4	1.6	12.7	13.2	2.6	15.9	17.1	2.9
CONDITIONS:										
Acute Myocardial Infarction	13	15.4	22.7	*	15.4	26.5	*	30.8	29.6	*
Congestive Heart Failure	16	6.3	19.9	*	12.5	31.0	*	18.8	39.1	*
Pneumonia/Influenza	13	7.7	16.0	*	23.1	21.5	*	23.1	25.9	*
Chronic Obstructive Pulmonary Disease	10	10.0	6.5	*	30.0	12.1	*	40.0	16.9	*
Transient Cerebral Ischemia	6	0.0	2.1	*	0.0	4.8	*	16.7	7.8	*
Stroke	10	50.0	27.7	*	60.0	36.8	*	60.0	42.1	*
Hip Fracture	11	0.0	7.8	*	9.1	14.1	*	9.1	18.0	*
Sepsis	2	50.0	24.1	*	50.0	37.0	*	50.0	44.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	6.5	*	0.0	13.3	*	0.0	18.1	*
Open Reduction of Hip Fracture	5	0.0	7.0	*	20.0	12.7	*	20.0	16.1	*
Prostatectomy	8	0.0	0.6	*	0.0	1.5	*	0.0	2.6	*
Cholecystectomy	5	0.0	2.6	*	0.0	4.2	*	0.0	5.1	*
Hysterectomy	5	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	370	7.6	9.6	1.8	11.4	14.6	2.4	13.5	18.5	3.0
CONDITIONS:										
Acute Myocardial Infarction	17	23.5	24.5	*	23.5	29.3	*	29.4	33.2	*
Congestive Heart Failure	19	10.5	15.2	*	21.1	23.5	*	21.1	30.6	*
Pneumonia/Influenza	15	6.7	16.8	*	6.7	22.5	*	6.7	27.2	*
Chronic Obstructive Pulmonary Disease	5	20.0	8.4	*	20.0	14.3	*	20.0	19.3	*
Transient Cerebral Ischemia	5	0.0	2.4	*	0.0	5.7	*	0.0	9.1	*
Stroke	20	15.0	26.0	*	15.0	32.3	*	15.0	36.7	*
Hip Fracture	13	0.0	8.7	*	0.0	15.9	*	7.7	20.5	*
Sepsis	1	100.0	24.3	*	100.0	28.9	*	100.0	34.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	6.0	*	0.0	11.6	*	0.0	15.1	*
Open Reduction of Hip Fracture	9	0.0	7.7	*	0.0	15.0	*	11.1	20.0	*
Prostatectomy	11	9.1	1.5	*	9.1	3.8	*	9.1	6.2	*
Cholecystectomy	2	0.0	2.7	*	0.0	3.9	*	0.0	5.1	*
Hysterectomy	2	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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MARTHA'S
HOSPITAL
VINEYARD

January 15, 1991

VIA FACSIMILE

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Medicare Provider #220123

Dear Ms. Kappert:

Once again, we appreciate this opportunity to review the HCFA mortality data for 1989 and offer our comments regarding your efforts to provide to the consumer information on the quality of care provided in health care facilities across the nation.

Each year HCFA has refined its methodology to analyze limited information from a data source, namely Medicare claims better known as the UB 82. This data source relies on ICD-9 codes and does not address complicated issues such as severity of illness which influences a patient outcome.

Although Martha's Vineyard Hospital's observed mortality rate was less than the predicted rate for the last three years, our monthly review of mortality and other medical staff quality assurance monitors better allows us to evaluate standards of practice and patient outcomes.

We applaud HCFA's efforts to improve their methodology in order to generate more relevant information for the consumer. It is encouraging to see that HCFA has recognized that small numbers do not yield valid statistical interpretation. This is an issue we have addressed in our comments the last two years. It is unlikely that a small institution such as ours would meet the minimum required number of cases (50) to be statistically relevant.

Therefore, it is important that the public understand that the HCFA mortality data should not in itself be the only measure of quality of care provided by our hospital. We rely more on our own internal systems for improvements.

Sincerely,

David F. Federowicz
President

DFF:ps
Attachments: Corrected Hospital Characteristics

MARY AND ARTHUR CLAPHAM HOSPITAL

41 Mall Rd
Burlington, MA 01803

Medicare Provider Number: 220171

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,194	4.8	7.7	0.7	9.1	12.5	0.8	12.2	16.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	47	19.1	23.0	*	19.1	26.0	*	25.5	29.1	*
Congestive Heart Failure	72	13.9	16.1	4.9	26.4	25.3	5.2	30.6	32.7	6.5
Pneumonia/Influenza	50	4.0	14.8	*	4.0	20.2	*	10.0	24.5	*
Chronic Obstructive Pulmonary Disease	20	5.0	8.8	*	5.0	14.9	*	15.0	20.3	*
Transient Cerebral Ischemia	24	0.0	1.8	*	0.0	3.9	*	4.2	5.9	*
Stroke	49	12.2	18.3	*	22.4	25.0	*	30.6	29.2	*
Hip Fracture	15	0.0	6.8	*	0.0	11.9	*	0.0	15.2	*
Sepsis	6	66.7	25.1	*	83.3	35.2	*	83.3	41.6	*
PROCEDURES:										
Angioplasty	2	0.0	5.8	*	0.0	7.6	*	0.0	9.7	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	1.7	*	0.0	3.8	*	0.0	6.0	*
Carotid Endarterectomy	14	7.1	1.6	*	7.1	3.0	*	7.1	4.4	*
Hip Replacement/Reconstruction	60	0.0	1.3	*	0.0	2.5	*	0.0	3.4	*
Open Reduction of Hip Fracture	7	0.0	5.5	*	0.0	9.9	*	0.0	12.8	*
Prostatectomy	94	0.0	1.1	1.4	1.1	2.6	2.0	3.2	4.2	3.0
Cholecystectomy	43	2.3	4.8	*	4.7	9.3	*	4.7	12.7	*
Hysterectomy	34	0.0	1.5	*	2.9	3.1	*	8.8	4.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	200
Occupancy Rate	100
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	241
Percent of Physicians Board Certified Specialists	88
Medical Residents/Interns	73
Registered Nurses	382
Licensed Practical Nurses	1

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MARY AND ARTHUR CLAPHAM HOSPITAL

Medicare Provider Number: 220171

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,223	5.4	8.1	0.7	9.8	13.1	0.8	13.0	16.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	49	16.3	22.9	*	20.4	27.1	*	20.4	30.9	*
Congestive Heart Failure	58	6.9	15.6	7.7	19.0	23.7	8.6	24.1	30.4	7.2
Pneumonia/Influenza	45	13.3	15.9	*	15.6	21.7	*	20.0	26.4	*
Chronic Obstructive Pulmonary Disease	17	11.8	9.0	*	11.8	15.5	*	17.6	20.8	*
Transient Cerebral Ischemia	18	0.0	2.7	*	0.0	5.8	*	16.7	8.7	*
Stroke	37	10.8	15.8	*	16.2	21.7	*	16.2	25.9	*
Hip Fracture	15	13.3	7.8	*	26.7	14.2	*	33.3	18.2	*
Sepsis	11	36.4	26.8	*	54.5	34.7	*	54.5	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	3.5	*	0.0	6.6	*	0.0	9.5	*
Carotid Endarterectomy	12	0.0	2.2	*	0.0	4.4	*	0.0	6.5	*
Hip Replacement/Reconstruction	64	3.1	1.4	2.1	7.8	2.8	3.3	7.8	4.1	4.1
Open Reduction of Hip Fracture	6	0.0	10.1	*	0.0	19.5	*	16.7	25.6	*
Prostatectomy	88	0.0	1.1	1.5	0.0	2.8	2.9	3.4	4.7	3.1
Cholecystectomy	44	2.3	6.3	*	4.5	10.7	*	9.1	13.4	*
Hysterectomy	27	0.0	0.5	*	0.0	0.9	*	3.7	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,267	5.4	8.3	0.6	9.6	13.3	0.8	13.5	17.1	0.8
CONDITIONS:										
Acute Myocardial Infarction	52	19.2	25.3	11.0	23.1	28.7	12.3	25.0	32.0	12.9
Congestive Heart Failure	66	9.1	17.3	7.1	19.7	26.4	6.9	30.3	33.6	6.0
Pneumonia/Influenza	40	20.0	17.3	*	27.5	23.4	*	32.5	28.2	*
Chronic Obstructive Pulmonary Disease	12	0.0	6.3	*	0.0	11.2	*	0.0	15.4	*
Transient Cerebral Ischemia	31	3.2	2.0	*	3.2	4.2	*	6.5	6.4	*
Stroke	26	7.7	21.4	*	15.4	28.7	*	19.2	33.1	*
Hip Fracture	18	5.6	5.9	*	5.6	10.1	*	16.7	12.7	*
Sepsis	7	42.9	40.9	*	42.9	48.9	*	42.9	55.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	3.3	*	11.1	6.9	*	22.2	10.7	*
Carotid Endarterectomy	17	0.0	2.4	*	0.0	4.4	*	5.9	6.3	*
Hip Replacement/Reconstruction	66	0.0	1.0	1.6	0.0	1.9	2.4	1.5	2.7	2.5
Open Reduction of Hip Fracture	11	9.1	5.6	*	9.1	10.1	*	18.2	13.0	*
Prostatectomy	90	1.1	1.0	1.0	2.2	2.3	1.8	5.6	3.9	2.5
Cholecystectomy	37	0.0	4.9	*	0.0	9.4	*	5.4	12.7	*
Hysterectomy	24	0.0	1.0	*	0.0	2.0	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MARY LANE HOSPITAL

85 South St
Ware, MA 01082

Medicare Provider Number: 220050

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	509	9.4	8.1	2.2	14.5	12.2	2.5	17.5	15.7	2.4
CONDITIONS:										
Acute Myocardial Infarction	22	40.9	29.1	*	40.9	33.3	*	40.9	37.4	*
Congestive Heart Failure	21	19.0	14.7	*	38.1	22.4	*	47.6	28.9	*
Pneumonia/Influenza	26	19.2	14.5	*	34.6	19.6	*	34.6	23.9	*
Chronic Obstructive Pulmonary Disease	9	11.1	4.5	*	11.1	9.8	*	22.2	15.4	*
Transient Cerebral Ischemia	6	0.0	1.8	*	0.0	4.0	*	0.0	6.3	*
Stroke	10	20.0	16.6	*	30.0	23.8	*	30.0	28.2	*
Hip Fracture	20	5.0	6.2	*	10.0	11.3	*	10.0	14.9	*
Sepsis	2	0.0	23.4	*	0.0	27.9	*	0.0	33.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	33.3	2.6	*	33.3	6.2	*	33.3	9.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	16.7	5.1	*	16.7	9.2	*	16.7	12.3	*
Open Reduction of Hip Fracture	10	0.0	5.0	*	0.0	9.4	*	0.0	12.7	*
Prostatectomy	13	0.0	0.9	*	0.0	2.2	*	0.0	3.8	*
Cholecystectomy	8	0.0	2.6	*	0.0	4.1	*	0.0	4.9	*
Hysterectomy	1	0.0	1.6	*	0.0	3.8	*	0.0	6.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	57
Occupancy Rate	60
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	27
Percent of Physicians Board Certified Specialists	63
Medical Residents/Interns	0
Registered Nurses	53
Licensed Practical Nurses	18

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MARY LANE HOSPITAL

Medicare Provider Number: 220050

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	539	9.5	9.2	1.4	14.7	14.0	2.3	18.2	17.8	2.4
CONDITIONS:										
Acute Myocardial Infarction	15	20.0	23.1	*	20.0	26.4	*	20.0	29.9	*
Congestive Heart Failure	27	14.8	15.0	*	25.9	22.9	*	33.3	29.5	*
Pneumonia/Influenza	23	17.4	18.0	*	26.1	24.5	*	26.1	29.6	*
Chronic Obstructive Pulmonary Disease	10	10.0	5.7	*	10.0	10.5	*	10.0	15.1	*
Transient Cerebral Ischemia	15	0.0	2.3	*	0.0	5.0	*	0.0	7.8	*
Stroke	27	25.9	19.5	*	29.6	27.0	*	29.6	31.6	*
Hip Fracture	13	7.7	7.2	*	23.1	13.4	*	23.1	17.8	*
Sepsis	3	66.7	44.7	*	66.7	51.9	*	66.7	59.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	1.1	*	0.0	2.1	*	0.0	3.0	*
Open Reduction of Hip Fracture	7	14.3	6.1	*	28.6	12.1	*	28.6	16.3	*
Prostatectomy	14	0.0	1.0	*	7.1	2.5	*	7.1	4.2	*
Cholecystectomy	12	0.0	1.9	*	0.0	3.5	*	0.0	4.6	*
Hysterectomy	4	0.0	0.9	*	0.0	2.0	*	0.0	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	543	8.5	8.3	1.3	12.2	12.7	1.5	16.8	16.3	1.6
CONDITIONS:										
Acute Myocardial Infarction	23	30.4	28.4	*	39.1	32.4	*	47.8	36.1	*
Congestive Heart Failure	36	13.9	15.4	*	19.4	24.1	*	30.6	31.3	*
Pneumonia/Influenza	14	21.4	15.7	*	28.6	21.2	*	35.7	26.0	*
Chronic Obstructive Pulmonary Disease	2	0.0	8.1	*	0.0	18.7	*	0.0	27.9	*
Transient Cerebral Ischemia	10	0.0	1.6	*	0.0	3.6	*	0.0	5.8	*
Stroke	18	16.7	19.6	*	27.8	26.8	*	27.8	31.1	*
Hip Fracture	13	0.0	5.4	*	7.7	9.9	*	15.4	13.2	*
Sepsis	3	33.3	28.9	*	33.3	34.5	*	33.3	40.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	1.6	*	0.0	3.2	*	0.0	4.5	*
Open Reduction of Hip Fracture	4	0.0	5.1	*	25.0	10.1	*	25.0	13.7	*
Prostatectomy	33	0.0	0.8	*	0.0	1.9	*	3.0	3.3	*
Cholecystectomy	10	10.0	3.6	*	10.0	5.4	*	10.0	6.8	*
Hysterectomy	5	0.0	1.0	*	0.0	2.5	*	0.0	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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MARY LANE HOSPITAL

William J. Zwemke, President

January 9, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: Medicare Provider #220050

Dear Mrs. Kappert:

Please include the following comments in the Medicare Hospital Mortality Information:

The statistics published for each hospital, including Mary Lane Hospital, include the explanation that for asterisked items the number of cases in this category is too small to permit satisfactory estimation of standard deviation. We believe that it is important for readers who may not be well versed in statistics to note the further caution printed in HCFA's "Enclosure A-General Overview" provided to hospitals earlier this year. It states that "The precision and interpretability of our estimates are questionable when there are no deaths or 50 or fewer cases in a particular category being analyzed." For these instances, an asterisk (*) is placed in the standard deviation (SD) columns. We believe that it is unfortunate that HCFA calculates and publishes such rates which may be extremely misleading to consumers.

The only data from Mary Lane Hospital for which there is a sufficient number of cases is mortality for all causes. We are pleased to see our observed experience within expected ranges, however, it should be noted that such general information is of limited value in monitoring and evaluating patient care. Emphasis in a hospital of our size, for which comparison data is often unavailable or inapplicable, must remain on a systematic, hospital-wide quality assurance program. We are able through this department/service specific approach to identify and correct problems, and to recognize ongoing high quality in a meaningful context.

The consumer is further cautioned that cases in this study include deaths to patients who have left all hospitals for a variety of settings of their own choosing. Some return home while others transfer to nursing homes or tertiary care centers. We acknowledge that state-of-the art care should be expected by patients at the time of admission, and throughout the patient's stay. We have limited control as an individual institution over many factors which influence the patient's death 30,90 or 180 days post admission.

Thank you for including our comments.

Sincerely,

William J. Zwemke

William J. Zwemke, FACHE
President

WJZ/ccb
Via FAX 1/11/91

MASSACHUSETTS EYE AND EAR INFIRMARY

243 Charles St
Boston, MA 02114

Medicare Provider Number: 220075

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	1,791	0.6	1.2	0.3	1.5	2.6	0.5	2.7	4.0	0.6
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	113
Occupancy Rate	63
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	301
Percent of Physicians Board Certified Specialists	6
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MASSACHUSETTS EYE AND EAR INFIRMARY

Medicare Provider Number: 220075

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,777	0.6	1.5	0.4	1.4	2.9	0.6	2.6	4.3	0.7
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	1	100.0	53.8	*	100.0	73.7	*	100.0	82.8	*
Hip Fracture	0									
Sepsis	1	0.0	17.5	*	100.0	29.0	*	100.0	35.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,850	0.6	1.4	0.4	1.9	2.9	0.5	3.0	4.3	0.6
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	0.0	14.0	*	0.0	19.9	*	100.0	25.5	*
Pneumonia/Influenza	1	0.0	11.6	*	0.0	17.1	*	0.0	21.1	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MASSACHUSETTS GENERAL HOSPITAL

Fruit St
Boston, MA 02114

Medicare Provider Number: 220071

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,482	5.8	8.2	0.5	10.5	13.1	0.5	13.6	16.8	0.5
CONDITIONS:										
Acute Myocardial Infarction	144	20.8	23.9	4.5	26.4	28.1	4.3	29.2	31.9	4.3
Congestive Heart Failure	184	10.9	17.6	4.4	23.4	27.3	4.2	28.8	34.7	4.7
Pneumonia/Influenza	122	13.9	16.5	4.2	15.6	22.7	5.7	19.7	27.3	6.4
Chronic Obstructive Pulmonary Disease	45	8.9	8.8	*	22.2	15.9	*	28.9	22.2	*
Transient Cerebral Ischemia	42	0.0	1.7	*	0.0	3.7	*	2.4	5.8	*
Stroke	162	11.1	21.2	4.4	18.5	27.8	4.7	21.0	32.1	5.0
Hip Fracture	126	4.8	6.9	3.5	4.8	12.1	4.9	8.7	15.5	5.4
Sepsis	22	22.7	24.3	*	22.7	30.6	*	31.8	35.7	*
PROCEDURES:										
Angioplasty	66	6.1	4.6	2.9	12.1	6.6	4.9	13.6	8.5	5.7
Coronary Artery Bypass Graft	218	3.2	6.3	2.1	8.3	9.3	2.0	12.4	11.1	2.2
Initial Pacemaker Insertion	51	2.0	3.2	2.9	2.0	6.7	4.3	2.0	10.0	5.7
Carotid Endarterectomy	48	2.1	1.4	*	2.1	2.6	*	6.3	3.8	*
Hip Replacement/Reconstruction	180	2.8	1.9	1.3	3.3	3.7	1.4	5.0	5.1	1.7
Open Reduction of Hip Fracture	56	5.4	6.9	4.4	5.4	12.6	6.0	7.1	16.2	7.4
Prostatectomy	213	0.5	0.8	0.8	1.9	2.1	1.5	2.3	3.5	2.2
Cholecystectomy	115	0.9	3.9	2.2	1.7	7.5	3.4	4.3	10.4	4.0
Hysterectomy	86	0.0	1.3	1.7	1.2	2.7	2.7	2.3	4.1	3.5

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	988
Occupancy Rate	84
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	1,211
Percent of Physicians Board Certified Specialists	98
Medical Residents/Interns	924
Registered Nurses	1,457
Licensed Practical Nurses	64

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

MASSACHUSETTS GENERAL HOSPITAL

Medicare Provider Number: 220071

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,720	7.3	8.7	0.4	12.2	13.6	0.5	15.6	17.5	0.5
CONDITIONS:										
Acute Myocardial Infarction	127	25.2	26.0	5.0	33.9	29.7	4.7	36.2	33.3	4.6
Congestive Heart Failure	184	12.5	18.5	5.0	26.1	28.2	4.5	33.2	35.7	4.5
Pneumonia/Influenza	122	13.1	17.0	5.9	19.7	22.7	6.1	25.4	27.1	4.3
Chronic Obstructive Pulmonary Disease	61	13.1	7.6	4.7	18.0	13.2	5.1	29.5	18.0	7.5
Transient Cerebral Ischemia	46	0.0	1.6	*	2.2	3.3	*	2.2	5.1	*
Stroke	159	13.8	22.3	4.5	20.1	29.1	5.4	22.0	33.7	5.8
Hip Fracture	123	6.5	7.5	2.5	15.4	13.5	3.5	19.5	17.3	4.6
Sepsis	27	25.9	26.0	*	29.6	35.5	*	29.6	41.8	*
PROCEDURES:										
Angioplasty	37	8.1	7.8	*	10.8	9.9	*	13.5	11.7	*
Coronary Artery Bypass Graft	232	3.9	7.4	2.4	7.3	10.6	2.6	8.6	12.6	3.0
Initial Pacemaker Insertion	31	0.0	3.6	*	3.2	6.9	*	3.2	9.6	*
Carotid Endarterectomy	36	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	175	0.0	2.0	1.4	1.7	3.6	1.9	3.4	4.9	2.4
Open Reduction of Hip Fracture	52	11.5	7.7	6.2	23.1	14.4	9.4	28.8	18.6	11.4
Prostatectomy	262	0.0	1.3	1.4	2.3	2.8	1.5	3.1	4.4	2.3
Cholecystectomy	103	2.9	5.6	2.8	7.8	10.8	3.3	11.7	14.8	4.6
Hysterectomy	83	2.4	1.5	1.5	4.8	3.1	2.7	4.8	4.7	2.3

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,940	6.8	8.9	0.5	11.8	14.0	0.5	15.0	17.8	0.5
CONDITIONS:										
Acute Myocardial Infarction	175	24.0	26.5	3.7	31.4	30.4	3.6	36.0	34.0	4.4
Congestive Heart Failure	217	12.4	18.8	3.7	20.3	28.2	4.5	29.0	35.5	4.3
Pneumonia/Influenza	103	15.5	15.6	4.0	25.2	21.2	5.8	29.1	25.7	5.4
Chronic Obstructive Pulmonary Disease	24	4.2	6.0	*	12.5	11.5	*	12.5	16.3	*
Transient Cerebral Ischemia	51	0.0	2.0	2.6	3.9	4.2	3.5	5.9	6.4	3.7
Stroke	175	14.3	20.5	4.7	21.1	26.9	4.6	24.0	31.0	5.2
Hip Fracture	102	3.9	7.7	3.3	10.8	13.7	3.8	17.6	17.5	3.8
Sepsis	25	36.0	32.8	*	44.0	43.6	*	44.0	51.0	*
PROCEDURES:										
Angioplasty	31	16.1	8.4	*	16.1	9.7	*	19.4	11.1	*
Coronary Artery Bypass Graft	194	3.6	7.3	2.5	7.7	10.5	2.7	9.3	12.3	2.8
Initial Pacemaker Insertion	42	4.8	3.5	*	4.8	7.0	*	4.8	10.3	*
Carotid Endarterectomy	56	0.0	1.9	2.4	1.8	3.6	2.8	1.8	5.1	3.9
Hip Replacement/Reconstruction	161	0.6	2.1	1.8	2.5	3.8	2.2	3.7	5.1	2.3
Open Reduction of Hip Fracture	56	3.6	6.6	4.6	10.7	12.5	5.2	17.9	16.5	5.2
Prostatectomy	325	1.2	1.1	0.7	1.8	2.6	1.2	2.5	4.3	1.9
Cholecystectomy	121	3.3	4.8	2.1	5.0	9.0	3.3	6.6	12.0	3.9
Hysterectomy	55	0.0	0.8	1.5	0.0	1.5	2.4	1.8	2.2	2.2

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MELROSE-WAKEFIELD HOSPITAL

585 Lebanon St
Melrose, MA 02176

Medicare Provider Number: 220106

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,066	8.7	9.5	0.9	13.9	14.7	1.2	17.1	18.7	1.4
CONDITIONS:										
Acute Myocardial Infarction	75	28.0	23.6	5.4	28.0	27.6	5.2	29.3	31.1	5.6
Congestive Heart Failure	114	16.7	16.4	3.8	26.3	25.4	4.5	33.3	32.6	4.7
Pneumonia/Influenza	106	14.2	17.6	5.8	21.7	23.9	5.8	25.5	28.8	5.4
Chronic Obstructive Pulmonary Disease	19	10.5	7.8	*	15.8	13.2	*	21.1	18.2	*
Transient Cerebral Ischemia	38	7.9	1.8	*	7.9	4.1	*	7.9	6.7	*
Stroke	70	17.1	23.9	7.2	32.9	32.1	7.4	32.9	37.0	6.4
Hip Fracture	54	7.4	6.9	5.1	14.8	12.6	5.5	20.4	16.6	7.9
Sepsis	9	0.0	23.4	*	22.2	32.7	*	22.2	37.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	5.0	*	7.1	8.5	*	14.3	12.1	*
Carotid Endarterectomy	9	0.0	1.1	*	11.1	2.0	*	11.1	3.0	*
Hip Replacement/Reconstruction	20	0.0	4.6	*	5.0	8.7	*	10.0	11.7	*
Open Reduction of Hip Fracture	33	9.1	6.1	*	18.2	11.8	*	24.2	15.9	*
Prostatectomy	40	0.0	1.2	*	2.5	3.1	*	7.5	5.3	*
Cholecystectomy	26	0.0	2.2	*	0.0	4.1	*	0.0	5.3	*
Hysterectomy	13	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	238
Occupancy Rate	78
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	140
Percent of Physicians Board Certified Specialists	77
Medical Residents/Interns	0
Registered Nurses	139
Licensed Practical Nurses	11

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MELROSE-WAKEFIELD HOSPITAL

Medicare Provider Number: 220106

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,158	8.9	9.6	0.9	14.8	14.9	0.8	18.5	18.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	87	25.3	23.9	4.8	27.6	27.4	4.8	31.0	31.0	5.0
Congestive Heart Failure	110	16.4	17.4	3.7	22.7	26.6	5.1	27.3	33.9	6.9
Pneumonia/Influenza	104	13.5	21.6	8.8	22.1	28.8	9.3	26.9	34.1	9.5
Chronic Obstructive Pulmonary Disease	29	17.2	9.9	*	24.1	16.5	*	24.1	22.0	*
Transient Cerebral Ischemia	44	6.8	2.3	*	6.8	5.1	*	13.6	8.1	*
Stroke	80	17.5	19.7	5.7	26.2	27.2	5.3	32.5	32.1	6.2
Hip Fracture	52	5.8	6.8	4.3	11.5	12.8	4.8	17.3	16.8	5.6
Sepsis	15	33.3	24.1	*	46.7	32.9	*	53.3	39.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	4.8	*	7.1	8.8	*	7.1	12.4	*
Carotid Endarterectomy	11	0.0	1.5	*	9.1	2.9	*	9.1	4.2	*
Hip Replacement/Reconstruction	18	5.6	3.9	*	5.6	7.8	*	16.7	10.7	*
Open Reduction of Hip Fracture	35	5.7	6.4	*	11.4	12.6	*	14.3	16.7	*
Prostatectomy	55	1.8	1.3	3.3	5.5	3.2	3.2	7.3	5.2	3.4
Cholecystectomy	35	5.7	4.1	*	8.6	7.4	*	8.6	9.4	*
Hysterectomy	9	0.0	0.4	*	11.1	1.0	*	11.1	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,154	7.1	9.5	1.1	12.7	14.5	1.1	15.6	18.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	83	24.1	29.5	7.0	27.7	33.3	6.6	34.9	37.3	5.7
Congestive Heart Failure	115	12.2	17.1	4.7	20.0	25.6	6.2	22.6	32.6	8.0
Pneumonia/Influenza	106	15.1	18.3	6.2	18.9	24.6	6.5	26.4	29.4	5.6
Chronic Obstructive Pulmonary Disease	25	16.0	11.7	*	24.0	19.9	*	28.0	26.1	*
Transient Cerebral Ischemia	39	0.0	2.1	*	2.6	4.7	*	2.6	7.6	*
Stroke	54	20.4	24.1	7.6	31.5	31.5	7.4	35.2	36.2	6.7
Hip Fracture	58	3.4	6.4	4.1	10.3	11.8	4.6	15.5	15.3	4.8
Sepsis	15	13.3	29.3	*	26.7	39.1	*	33.3	46.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	0.0	4.5	*	0.0	7.4	*	4.3	9.9	*
Carotid Endarterectomy	12	0.0	1.7	*	0.0	3.4	*	0.0	5.0	*
Hip Replacement/Reconstruction	33	0.0	5.2	*	6.1	9.8	*	12.1	12.9	*
Open Reduction of Hip Fracture	26	7.7	5.8	*	15.4	11.2	*	19.2	14.7	*
Prostatectomy	49	0.0	1.6	*	4.1	3.7	*	4.1	5.9	*
Cholecystectomy	43	2.3	2.0	*	2.3	3.4	*	2.3	4.3	*
Hysterectomy	9	0.0	1.6	*	0.0	3.9	*	11.1	6.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MERCY HOSPITAL

271 Carew Street
Springfield, MA 01104

Medicare Provider Number: 220066

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,526	9.8	9.1	0.9	14.3	14.0	0.7	17.9	17.8	0.7
CONDITIONS:										
Acute Myocardial Infarction	114	32.5	32.0	5.5	37.7	35.2	5.0	38.6	38.8	4.7
Congestive Heart Failure	164	11.6	16.6	3.8	19.5	25.7	5.4	25.6	32.8	5.3
Pneumonia/Influenza	183	23.0	18.8	4.9	26.8	25.2	3.7	30.1	30.1	3.4
Chronic Obstructive Pulmonary Disease	50	6.0	6.7	*	10.0	12.2	*	12.0	17.4	*
Transient Cerebral Ischemia	38	0.0	2.0	*	2.6	4.4	*	7.9	7.0	*
Stroke	109	26.6	20.1	8.6	33.0	26.4	8.3	35.8	30.7	7.6
Hip Fracture	100	4.0	6.9	4.0	9.0	12.4	6.1	13.0	16.2	6.1
Sepsis	23	26.1	28.0	*	30.4	37.6	*	43.5	44.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	0.0	4.2	*	0.0	7.1	*	5.3	9.5	*
Carotid Endarterectomy	5	0.0	1.4	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	73	2.7	3.6	2.5	4.1	6.9	4.3	6.8	9.3	4.9
Open Reduction of Hip Fracture	60	3.3	6.2	4.0	10.0	11.6	5.6	13.3	15.1	5.5
Prostatectomy	150	0.7	0.7	0.8	2.0	1.8	1.6	4.7	3.1	2.5
Cholecystectomy	78	2.6	2.2	2.3	5.1	4.0	2.7	5.1	5.4	3.1
Hysterectomy	21	0.0	3.4	*	0.0	5.4	*	4.8	6.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	330
Occupancy Rate	77
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	109
Percent of Physicians Board Certified Specialists	26
Medical Residents/Interns	0
Registered Nurses	280
Licensed Practical Nurses	79

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MERCY HOSPITAL

Medicare Provider Number: 220066

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,635	9.9	9.6	0.5	15.7	14.6	0.8	19.4	18.4	1.0
CONDITIONS:										
Acute Myocardial Infarction	122	31.1	31.5	4.5	33.6	35.1	4.8	35.2	38.9	5.9
Congestive Heart Failure	183	14.2	17.3	3.1	29.5	26.2	3.7	38.3	33.3	4.1
Pneumonia/Influenza	197	18.3	17.7	2.7	25.9	23.7	3.6	32.0	28.5	5.8
Chronic Obstructive Pulmonary Disease	51	9.8	7.4	6.4	15.7	13.7	8.9	21.6	19.4	7.4
Transient Cerebral Ischemia	44	2.3	1.7	*	2.3	3.5	*	4.5	5.5	*
Stroke	132	25.0	21.6	4.5	34.1	28.6	6.0	39.4	33.4	7.9
Hip Fracture	98	9.2	6.8	3.7	16.3	12.4	5.9	18.4	15.8	6.8
Sepsis	38	28.9	30.2	*	34.2	38.8	*	42.1	44.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	4.3	5.4	*	4.3	8.9	*	4.3	12.3	*
Carotid Endarterectomy	8	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	67	0.0	2.7	2.7	3.0	5.3	4.2	3.0	7.1	4.6
Open Reduction of Hip Fracture	63	12.7	5.7	4.2	20.6	10.9	6.2	23.8	14.4	7.2
Prostatectomy	122	1.6	1.0	1.6	1.6	2.4	2.0	1.6	3.8	2.7
Cholecystectomy	86	3.5	3.5	2.0	7.0	6.5	2.7	10.5	8.6	3.7
Hysterectomy	29	0.0	0.5	*	6.9	0.9	*	6.9	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,519	10.1	10.0	0.5	15.3	15.1	0.9	19.0	18.9	0.8
CONDITIONS:										
Acute Myocardial Infarction	122	26.2	32.8	4.9	27.0	36.2	5.4	30.3	39.9	5.8
Congestive Heart Failure	142	16.9	17.7	4.6	28.2	26.3	5.9	33.1	33.4	4.5
Pneumonia/Influenza	133	16.5	17.6	3.4	24.1	23.7	4.4	27.8	28.5	4.0
Chronic Obstructive Pulmonary Disease	51	5.9	8.8	6.1	9.8	15.6	9.2	15.7	21.2	9.5
Transient Cerebral Ischemia	51	0.0	2.0	2.5	0.0	4.3	4.3	2.0	6.9	4.9
Stroke	149	24.8	22.6	5.5	34.2	29.5	7.5	36.9	34.0	5.7
Hip Fracture	99	6.1	8.3	4.2	9.1	14.7	6.4	13.1	18.7	6.5
Sepsis	23	34.8	39.5	*	43.5	49.4	*	47.8	56.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	3.6	*	5.3	7.3	*	5.3	10.5	*
Carotid Endarterectomy	8	0.0	1.7	*	0.0	3.4	*	0.0	5.2	*
Hip Replacement/Reconstruction	71	2.8	3.6	3.4	2.8	6.7	5.8	4.2	8.8	7.4
Open Reduction of Hip Fracture	54	5.6	8.3	6.3	11.1	15.4	8.1	16.7	19.8	6.2
Prostatectomy	156	0.6	1.1	0.9	1.3	2.6	1.8	2.6	4.4	2.6
Cholecystectomy	73	5.5	2.7	4.0	9.6	4.8	4.6	11.0	6.1	4.8
Hysterectomy	23	4.3	0.8	*	4.3	1.9	*	4.3	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MILFORD WHITINSVILLE REGIONAL HOSPITAL

355 East Canal Street
Franklin, MA 02038

Medicare Provider Number: 220090

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,434	10.0	10.3	1.3	15.0	15.5	1.8	18.4	19.5	2.0
CONDITIONS:										
Acute Myocardial Infarction	56	25.0	25.2	5.9	30.4	28.2	6.4	30.4	31.4	6.3
Congestive Heart Failure	61	14.8	15.5	4.9	19.7	24.1	7.7	24.6	31.3	9.9
Pneumonia/Influenza	95	17.9	17.2	4.2	25.3	23.4	4.6	29.5	28.2	4.8
Chronic Obstructive Pulmonary Disease	35	5.7	9.4	*	11.4	15.9	*	17.1	21.5	*
Transient Cerebral Ischemia	24	4.2	2.0	*	4.2	4.5	*	8.3	7.2	*
Stroke	56	23.2	22.3	6.0	33.9	29.8	7.1	41.1	34.6	8.3
Hip Fracture	33	0.0	5.8	*	9.1	10.8	*	12.1	14.3	*
Sepsis	18	44.4	28.9	*	44.4	37.7	*	50.0	45.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	1.8	*	0.0	3.9	*	0.0	6.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	24	0.0	2.7	*	12.5	5.3	*	12.5	7.4	*
Open Reduction of Hip Fracture	18	0.0	5.8	*	0.0	11.0	*	5.6	14.5	*
Prostatectomy	42	0.0	1.0	*	0.0	2.4	*	4.8	4.0	*
Cholecystectomy	19	5.3	5.1	*	10.5	9.5	*	10.5	12.2	*
Hysterectomy	9	11.1	1.4	*	11.1	3.0	*	11.1	4.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	182
Occupancy Rate	72
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	87
Percent of Physicians Board Certified Specialists	83
Medical Residents/Interns	0
Registered Nurses	148
Licensed Practical Nurses	26

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	Yes
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MILFORD WHITINSVILLE REGIONAL HOSPITAL

Medicare Provider Number: 220090

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,463	7.8	9.6	1.1	13.0	14.3	1.1	16.0	18.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	54	37.0	30.5	13.6	40.7	34.2	15.1	44.4	37.8	13.9
Congestive Heart Failure	59	22.0	17.6	8.1	30.5	26.0	7.8	35.6	32.8	6.6
Pneumonia/Influenza	77	14.3	19.1	6.4	27.3	25.6	5.9	28.6	30.5	5.5
Chronic Obstructive Pulmonary Disease	17	5.9	8.2	*	11.8	14.3	*	17.6	19.3	*
Transient Cerebral Ischemia	29	0.0	2.1	*	0.0	4.8	*	0.0	7.8	*
Stroke	45	11.1	21.9	*	15.6	28.4	*	20.0	32.9	*
Hip Fracture	47	4.3	6.0	*	4.3	10.9	*	6.4	14.2	*
Sepsis	12	25.0	25.7	*	33.3	34.5	*	33.3	41.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	8.2	*	14.3	11.9	*	14.3	15.2	*
Carotid Endarterectomy	1	0.0	1.5	*	0.0	3.5	*	0.0	5.2	*
Hip Replacement/Reconstruction	21	0.0	3.6	*	4.8	7.3	*	4.8	10.2	*
Open Reduction of Hip Fracture	23	4.3	5.8	*	4.3	10.9	*	8.7	14.1	*
Prostatectomy	40	0.0	1.0	*	2.5	2.3	*	5.0	3.8	*
Cholecystectomy	39	5.1	5.5	*	10.3	9.4	*	12.8	11.6	*
Hysterectomy	13	0.0	1.4	*	0.0	2.9	*	0.0	4.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,442	8.7	8.6	0.9	14.1	13.2	1.4	17.8	16.9	2.0
CONDITIONS:										
Acute Myocardial Infarction	59	28.8	27.5	10.1	40.7	31.7	9.5	40.7	35.4	9.7
Congestive Heart Failure	73	11.0	18.3	7.8	26.0	28.0	5.6	35.6	35.9	5.6
Pneumonia/Influenza	69	24.6	18.0	7.1	30.4	24.9	6.3	33.3	30.3	5.9
Chronic Obstructive Pulmonary Disease	25	4.0	8.4	*	12.0	14.0	*	20.0	18.6	*
Transient Cerebral Ischemia	31	9.7	2.0	*	9.7	4.3	*	9.7	6.6	*
Stroke	62	16.1	20.4	6.4	22.6	27.4	7.2	27.4	31.8	7.8
Hip Fracture	49	10.2	6.4	*	18.4	11.6	*	24.5	15.2	*
Sepsis	18	33.3	24.7	*	55.6	33.2	*	55.6	39.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	3.8	*	0.0	7.3	*	6.7	10.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	21	0.0	4.4	*	9.5	8.2	*	9.5	11.1	*
Open Reduction of Hip Fracture	24	4.2	6.1	*	12.5	11.5	*	16.7	15.1	*
Prostatectomy	41	0.0	0.8	*	2.4	2.0	*	4.9	3.5	*
Cholecystectomy	20	0.0	1.4	*	0.0	2.4	*	0.0	3.1	*
Hysterectomy	7	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Milford-Whitinsville Regional Hospital

14 Prospect Street – Routes 16 and 140
Milford, MA 01757
Tel. (508) 473-1190
Fax (508) 473-2744

January 15, 1991

Medicare Provider No: 220090
For publication -
Medicare Hospital Mortality Information

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, MD 21207

Milford-Whitinsville Regional Hospital has reviewed our 1987 - 1989 mortality data recently released by HCFA. Our mortality rates do not exceed the expected ranges but, rather, fall within the normal ranges. These rates, therefore, do not raise questions that require our further analysis.

Any questions should be directed to Peggy MacLean, Director, Public Relations at (508) 473-1190, ext: 262.

SATELLITES AT:

PASTORELLO HEALTH CENTER
355 E. Central Street
Franklin, MA 02038
508-528-2700

WHITINSVILLE MEDICAL CENTER
18 Granite Street
Whitinsville, MA 01588
508-234-6311

MILTON MEDICAL CENTER

92 Highland St
Milton, MA 02186

Medicare Provider Number: 220108

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,564	7.5	8.7	0.9	11.9	13.7	1.1	15.0	17.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	53	24.5	24.0	9.7	30.2	28.0	9.7	30.2	31.7	9.1
Congestive Heart Failure	57	12.3	14.8	7.9	14.0	23.4	10.1	19.3	30.3	12.0
Pneumonia/Influenza	70	24.3	17.7	7.1	31.4	24.1	8.5	32.9	29.0	7.0
Chronic Obstructive Pulmonary Disease	10	0.0	4.5	*	0.0	8.3	*	0.0	12.1	*
Transient Cerebral Ischemia	28	0.0	2.0	*	0.0	4.5	*	3.6	7.2	*
Stroke	57	21.1	23.2	7.3	29.8	30.8	7.3	31.6	35.7	8.4
Hip Fracture	44	2.3	7.2	*	9.1	13.4	*	13.6	17.7	*
Sepsis	17	35.3	31.3	*	41.2	43.3	*	58.8	51.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	18.2	4.8	*	18.2	8.0	*	27.3	10.5	*
Carotid Endarterectomy	2	0.0	1.1	*	0.0	2.0	*	0.0	2.8	*
Hip Replacement/Reconstruction	18	5.6	6.1	*	16.7	12.1	*	16.7	16.4	*
Open Reduction of Hip Fracture	24	0.0	6.4	*	4.2	12.3	*	12.5	16.5	*
Prostatectomy	43	4.7	1.1	*	4.7	2.9	*	9.3	5.0	*
Cholecystectomy	26	0.0	2.0	*	3.8	3.8	*	3.8	5.1	*
Hysterectomy	16	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	161
Occupancy Rate	65
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	86
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	0
Registered Nurses	117
Licensed Practical Nurses	26

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

MILTON MEDICAL CENTER

Medicare Provider Number: 220108

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,685	7.7	9.6	1.1	12.9	14.7	1.2	16.0	18.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	89	22.5	27.4	5.4	24.7	31.3	6.2	24.7	34.9	7.2
Congestive Heart Failure	87	12.6	16.2	4.8	26.4	24.8	4.8	35.6	31.7	6.9
Pneumonia/Influenza	88	12.5	17.8	5.2	20.5	24.1	5.1	28.4	28.9	5.1
Chronic Obstructive Pulmonary Disease	19	5.3	7.7	*	15.8	14.8	*	21.1	20.4	*
Transient Cerebral Ischemia	22	4.5	2.4	*	4.5	5.1	*	4.5	8.0	*
Stroke	64	15.6	21.7	10.3	23.4	29.0	10.6	28.1	33.9	10.7
Hip Fracture	41	4.9	8.0	*	12.2	15.1	*	17.1	19.7	*
Sepsis	8	0.0	26.7	*	0.0	33.0	*	0.0	39.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.9	*	0.0	7.4	*	0.0	10.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	0.0	9.2	*	21.4	17.9	*	21.4	23.4	*
Open Reduction of Hip Fracture	24	4.2	5.8	*	4.2	11.3	*	8.3	15.2	*
Prostatectomy	46	2.2	0.6	*	2.2	1.5	*	2.2	2.5	*
Cholecystectomy	24	0.0	2.6	*	0.0	4.6	*	0.0	5.9	*
Hysterectomy	14	7.1	1.1	*	7.1	2.2	*	7.1	3.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,565	9.0	9.3	0.8	13.4	14.4	1.2	17.4	18.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	75	20.0	24.8	5.8	26.7	28.5	5.5	28.0	32.1	6.0
Congestive Heart Failure	82	13.4	17.2	5.4	20.7	26.1	5.7	28.0	33.2	6.7
Pneumonia/Influenza	65	18.5	16.8	5.8	23.1	22.7	6.4	30.8	27.5	7.8
Chronic Obstructive Pulmonary Disease	24	12.5	8.0	*	16.7	13.9	*	25.0	18.9	*
Transient Cerebral Ischemia	30	0.0	2.5	*	0.0	5.4	*	6.7	8.6	*
Stroke	67	25.4	21.9	5.4	28.4	29.1	6.7	37.3	33.6	6.7
Hip Fracture	38	0.0	7.2	*	7.9	13.5	*	15.8	17.8	*
Sepsis	13	7.7	25.5	*	15.4	32.9	*	23.1	38.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	8.0	*	15.4	12.7	*	23.1	16.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	7.0	*	12.5	13.8	*	25.0	18.9	*
Open Reduction of Hip Fracture	26	0.0	6.5	*	7.7	12.6	*	15.4	16.8	*
Prostatectomy	44	0.0	0.8	*	0.0	1.8	*	0.0	2.9	*
Cholecystectomy	26	11.5	2.9	*	15.4	5.6	*	15.4	7.4	*
Hysterectomy	17	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MORTON HOSPITAL & MEDICAL CENTER

88 Washington St
Taunton, MA 02780

Medicare Provider Number: 220073

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	1,546	8.2	9.3	0.9	11.8	14.2	1.3	15.3	17.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	65	26.2	21.0	5.7	27.7	25.1	6.3	35.4	28.8	6.5
Congestive Heart Failure	106	14.2	15.1	3.5	17.0	23.3	4.5	22.6	30.1	5.0
Pneumonia/Influenza	88	10.2	16.6	5.8	13.6	22.2	6.7	13.6	26.6	8.8
Chronic Obstructive Pulmonary Disease	8	0.0	6.6	*	0.0	12.6	*	12.5	17.8	*
Transient Cerebral Ischemia	28	3.6	2.4	*	3.6	5.3	*	3.6	8.4	*
Stroke	66	18.2	24.3	6.7	24.2	31.3	7.6	28.8	35.8	7.0
Hip Fracture	38	10.5	6.5	*	15.8	11.7	*	15.8	15.2	*
Sepsis	7	14.3	24.0	*	42.9	33.2	*	42.9	38.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.8	*	0.0	7.1	*	0.0	10.0	*
Carotid Endarterectomy	2	0.0	1.0	*	50.0	1.9	*	50.0	2.8	*
Hip Replacement/Reconstruction	22	0.0	3.0	*	4.5	6.0	*	4.5	8.1	*
Open Reduction of Hip Fracture	19	15.8	7.2	*	21.1	13.3	*	21.1	17.3	*
Prostatectomy	93	0.0	1.0	1.4	0.0	2.5	2.6	3.2	4.1	2.5
Cholecystectomy	33	3.0	3.5	*	3.0	5.4	*	6.1	6.8	*
Hysterectomy	12	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	198
Occupancy Rate	72
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	78
Percent of Physicians Board Certified Specialists	77
Medical Residents/Interns	0
Registered Nurses	164
Licensed Practical Nurses	51

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MORTON HOSPITAL & MEDICAL CENTER

Medicare Provider Number: 220073

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,498	9.9	10.2	0.8	14.8	15.3	1.1	19.0	19.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	78	20.5	24.9	5.1	29.5	29.2	5.6	35.9	33.1	5.4
Congestive Heart Failure	104	13.5	18.6	6.3	24.0	28.0	5.6	35.6	35.3	4.7
Pneumonia/Influenza	80	18.7	19.2	4.5	20.0	25.3	5.4	21.2	30.1	6.4
Chronic Obstructive Pulmonary Disease	14	0.0	10.4	*	7.1	16.7	*	7.1	21.9	*
Transient Cerebral Ischemia	10	0.0	2.7	*	0.0	6.2	*	20.0	9.8	*
Stroke	63	25.4	23.4	5.4	34.9	30.1	7.0	39.7	34.5	6.6
Hip Fracture	46	6.5	5.9	*	6.5	10.9	*	8.7	14.2	*
Sepsis	14	21.4	24.4	*	35.7	33.6	*	42.9	39.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	5.9	4.0	*	11.8	7.2	*	11.8	10.5	*
Carotid Endarterectomy	1	0.0	1.1	*	0.0	2.2	*	0.0	3.1	*
Hip Replacement/Reconstruction	28	7.1	3.2	*	7.1	6.2	*	7.1	8.2	*
Open Reduction of Hip Fracture	29	6.9	5.4	*	6.9	10.4	*	10.3	13.8	*
Prostatectomy	81	3.7	0.8	1.6	4.9	1.9	2.2	6.2	3.1	2.6
Cholecystectomy	23	4.3	2.9	*	4.3	5.4	*	4.3	7.0	*
Hysterectomy	10	0.0	1.1	*	0.0	2.5	*	0.0	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,540	9.1	9.6	0.9	14.4	14.5	1.0	17.7	18.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	74	28.4	25.8	5.4	33.8	29.8	6.1	35.1	33.4	5.9
Congestive Heart Failure	110	22.7	19.2	4.9	34.5	28.2	7.3	38.2	35.2	5.5
Pneumonia/Influenza	61	13.1	18.0	7.0	18.0	23.8	9.5	19.7	28.5	9.6
Chronic Obstructive Pulmonary Disease	15	26.7	9.6	*	33.3	15.7	*	33.3	20.7	*
Transient Cerebral Ischemia	26	0.0	2.8	*	0.0	6.0	*	0.0	9.5	*
Stroke	64	17.2	23.8	8.5	28.1	31.3	7.1	32.8	35.9	7.1
Hip Fracture	40	2.5	8.5	*	10.0	14.8	*	15.0	18.6	*
Sepsis	10	10.0	29.9	*	10.0	41.6	*	20.0	49.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	5.5	*	10.0	8.6	*	10.0	11.0	*
Carotid Endarterectomy	1	0.0	0.8	*	0.0	1.5	*	0.0	2.0	*
Hip Replacement/Reconstruction	26	0.0	4.7	*	0.0	8.5	*	0.0	10.9	*
Open Reduction of Hip Fracture	22	4.5	7.6	*	13.6	13.8	*	18.2	17.6	*
Prostatectomy	84	1.2	1.0	2.0	3.6	2.3	2.9	6.0	4.0	3.1
Cholecystectomy	42	0.0	2.8	*	0.0	5.1	*	0.0	6.7	*
Hysterectomy	12	0.0	1.1	*	0.0	2.6	*	0.0	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MT AUBURN HOSPITAL

330 Mt Auburn St
Cambridge, MA 02138

Medicare Provider Number: 220002

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,490	7.8	9.1	1.0	13.5	14.3	1.3	16.5	18.2	1.3
CONDITIONS:										
Acute Myocardial Infarction	130	23.1	27.4	5.8	30.0	31.5	5.2	33.1	35.2	5.4
Congestive Heart Failure	129	14.7	18.9	5.1	30.2	28.8	4.3	33.3	36.3	5.6
Pneumonia/Influenza	85	15.3	16.1	4.0	22.4	22.3	4.5	30.6	27.0	5.4
Chronic Obstructive Pulmonary Disease	14	14.3	7.5	*	28.6	14.0	*	42.9	19.6	*
Transient Cerebral Ischemia	29	3.4	1.9	*	3.4	4.1	*	6.9	6.5	*
Stroke	89	11.2	18.7	8.8	21.3	25.4	8.7	25.8	29.7	7.0
Hip Fracture	81	11.1	7.9	5.1	16.0	13.8	5.0	18.5	17.7	4.3
Sepsis	18	5.6	17.2	*	11.1	23.3	*	11.1	27.8	*
PROCEDURES:										
Angioplasty	21	0.0	2.5	*	0.0	3.4	*	4.8	4.5	*
Coronary Artery Bypass Graft	48	2.1	6.6	*	2.1	10.1	*	2.1	12.3	*
Initial Pacemaker Insertion	13	0.0	6.8	*	7.7	11.6	*	7.7	15.5	*
Carotid Endarterectomy	11	0.0	1.5	*	0.0	2.9	*	0.0	4.2	*
Hip Replacement/Reconstruction	39	5.1	4.5	*	5.1	8.9	*	7.7	12.2	*
Open Reduction of Hip Fracture	46	8.7	7.6	*	17.4	13.9	*	19.6	17.9	*
Prostatectomy	75	0.0	1.3	*	0.0	2.7	*	0.0	4.2	*
Cholecystectomy	29	10.3	3.0	*	10.3	5.2	*	10.3	6.6	*
Hysterectomy	10	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	305
Occupancy Rate	74
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	231
Percent of Physicians Board Certified Specialists	91
Medical Residents/Interns	42
Registered Nurses	353
Licensed Practical Nurses	26

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MT AUBURN HOSPITAL

Medicare Provider Number: 220002

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,663	7.1	10.0	0.8	12.1	15.2	0.7	15.6	19.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	140	24.3	27.8	6.4	28.6	31.7	6.2	32.1	35.5	6.0
Congestive Heart Failure	129	13.2	18.7	5.5	23.3	28.2	5.9	31.0	35.5	7.0
Pneumonia/Influenza	93	9.7	16.8	4.8	10.8	23.0	6.1	14.0	27.8	6.8
Chronic Obstructive Pulmonary Disease	26	3.8	7.7	*	7.7	13.3	*	11.5	18.0	*
Transient Cerebral Ischemia	34	0.0	2.4	*	2.9	5.2	*	14.7	8.0	*
Stroke	96	12.5	20.7	5.8	15.6	27.8	7.4	18.8	32.5	8.1
Hip Fracture	72	2.8	7.5	4.4	8.3	13.4	6.1	9.7	17.2	6.2
Sepsis	11	18.2	33.2	*	27.3	43.3	*	27.3	50.1	*
PROCEDURES:										
Angioplasty	13	0.0	3.4	*	7.7	4.7	*	15.4	6.0	*
Coronary Artery Bypass Graft	37	0.0	6.2	*	0.0	8.8	*	5.4	10.5	*
Initial Pacemaker Insertion	17	0.0	4.3	*	0.0	7.9	*	0.0	11.5	*
Carotid Endarterectomy	6	0.0	1.6	*	0.0	3.1	*	0.0	4.4	*
Hip Replacement/Reconstruction	36	0.0	3.6	*	5.6	6.8	*	5.6	9.0	*
Open Reduction of Hip Fracture	32	3.1	7.3	*	6.3	13.7	*	9.4	18.0	*
Prostatectomy	101	0.0	1.1	1.4	1.0	2.6	2.1	2.0	4.1	2.7
Cholecystectomy	41	2.4	3.3	*	2.4	6.1	*	4.9	7.9	*
Hysterectomy	19	0.0	2.0	*	0.0	3.7	*	0.0	5.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,678	8.0	9.6	0.8	12.6	14.5	0.9	15.7	18.4	0.9
CONDITIONS:										
Acute Myocardial Infarction	156	18.6	27.5	4.6	23.1	31.7	4.6	26.3	35.4	4.8
Congestive Heart Failure	103	10.7	18.7	5.0	14.6	27.8	6.2	20.4	35.0	6.8
Pneumonia/Influenza	116	19.8	20.4	5.1	30.2	27.5	5.9	34.5	32.6	5.0
Chronic Obstructive Pulmonary Disease	19	5.3	12.5	*	21.1	21.5	*	31.6	28.1	*
Transient Cerebral Ischemia	47	4.3	2.1	*	4.3	4.6	*	6.4	7.1	*
Stroke	80	17.5	21.5	7.0	27.5	28.9	6.7	31.3	33.5	5.7
Hip Fracture	74	2.7	6.8	5.0	5.4	11.9	7.5	9.5	15.2	7.8
Sepsis	6	0.0	19.5	*	0.0	25.6	*	0.0	29.9	*
PROCEDURES:										
Angioplasty	11	0.0	3.0	*	0.0	4.4	*	0.0	5.7	*
Coronary Artery Bypass Graft	47	6.4	7.0	*	6.4	9.6	*	6.4	11.1	*
Initial Pacemaker Insertion	19	0.0	3.8	*	5.3	7.6	*	10.5	11.1	*
Carotid Endarterectomy	10	0.0	2.2	*	0.0	4.2	*	0.0	6.0	*
Hip Replacement/Reconstruction	39	0.0	2.9	*	2.6	5.2	*	5.1	6.8	*
Open Reduction of Hip Fracture	39	0.0	5.8	*	2.6	10.5	*	7.7	13.6	*
Prostatectomy	83	0.0	1.1	1.8	0.0	2.8	4.1	3.6	4.7	3.9
Cholecystectomy	36	2.8	3.3	*	5.6	5.7	*	5.6	7.2	*
Hysterectomy	30	6.7	0.9	*	6.7	1.8	*	6.7	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NANTUCKET COTTAGE HOSPITAL

S Prospect St
Nantucket, MA 02554

Medicare Provider Number: 220081

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	146	13.7	10.9	3.5	18.5	16.8	3.7	21.9	21.4	4.6
CONDITIONS:										
Acute Myocardial Infarction	8	25.0	28.3	*	25.0	31.9	*	25.0	35.8	*
Congestive Heart Failure	8	0.0	16.2	*	0.0	24.6	*	12.5	31.3	*
Pneumonia/Influenza	10	20.0	15.0	*	30.0	20.4	*	30.0	25.0	*
Chronic Obstructive Pulmonary Disease	3	0.0	6.6	*	0.0	12.4	*	33.3	17.7	*
Transient Cerebral Ischemia	4	0.0	2.8	*	0.0	6.8	*	0.0	11.1	*
Stroke	7	0.0	20.9	*	14.3	26.1	*	14.3	30.5	*
Hip Fracture	6	0.0	5.5	*	0.0	10.4	*	16.7	13.9	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	4	0.0	4.6	*	0.0	8.8	*	0.0	11.7	*
Prostatectomy	1	0.0	4.7	*	0.0	10.6	*	0.0	16.2	*
Cholecystectomy	2	0.0	0.9	*	0.0	1.4	*	0.0	1.9	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	39
Occupancy Rate	23
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	7
Percent of Physicians Board Certified Specialists	86
Medical Residents/Interns	0
Registered Nurses	26
Licensed Practical Nurses	4

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NANTUCKET COTTAGE HOSPITAL

Medicare Provider Number: 220081

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	191	8.4	8.3	2.2	13.1	13.6	2.8	19.4	17.9	3.2
CONDITIONS:										
Acute Myocardial Infarction	1	100.0	36.9	*	100.0	50.6	*	100.0	58.9	*
Congestive Heart Failure	10	30.0	16.6	*	40.0	26.1	*	50.0	33.7	*
Pneumonia/Influenza	11	9.1	16.0	*	18.2	21.1	*	18.2	25.3	*
Chronic Obstructive Pulmonary Disease	3	0.0	11.1	*	0.0	21.3	*	0.0	30.0	*
Transient Cerebral Ischemia	3	0.0	3.2	*	0.0	7.2	*	33.3	11.7	*
Stroke	2	0.0	18.7	*	50.0	24.1	*	50.0	28.5	*
Hip Fracture	6	0.0	9.2	*	0.0	17.1	*	0.0	22.6	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	6.2	*	0.0	12.4	*	0.0	16.7	*
Open Reduction of Hip Fracture	0									
Prostatectomy	1	0.0	9.1	*	0.0	22.9	*	100.0	37.5	*
Cholecystectomy	0									
Hysterectomy	2	50.0	1.2	*	50.0	2.2	*	50.0	3.1	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	173	8.1	9.1	2.9	13.9	14.2	3.9	16.2	18.4	3.9
CONDITIONS:										
Acute Myocardial Infarction	6	0.0	24.7	*	0.0	27.6	*	0.0	31.1	*
Congestive Heart Failure	12	8.3	13.8	*	16.7	21.5	*	33.3	28.3	*
Pneumonia/Influenza	7	28.6	12.1	*	28.6	16.3	*	28.6	20.3	*
Chronic Obstructive Pulmonary Disease	5	0.0	10.0	*	0.0	17.2	*	20.0	22.9	*
Transient Cerebral Ischemia	3	0.0	1.3	*	0.0	2.6	*	0.0	3.9	*
Stroke	5	40.0	17.6	*	40.0	22.8	*	40.0	27.2	*
Hip Fracture	3	0.0	9.0	*	0.0	17.0	*	0.0	22.1	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	5.0	*	0.0	9.2	*	0.0	12.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	10.6	*	0.0	20.8	*	0.0	27.2	*
Open Reduction of Hip Fracture	1	0.0	3.5	*	0.0	7.0	*	0.0	9.7	*
Prostatectomy	2	0.0	2.7	*	0.0	6.9	*	0.0	11.9	*
Cholecystectomy	3	0.0	1.5	*	0.0	2.6	*	0.0	3.2	*
Hysterectomy	0									

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NEW ENGLAND BAPTIST HOSPITAL

91 Parker Hill Ave
Boston, MA 02120

Medicare Provider Number: 220088

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,766	3.8	5.9	0.8	7.6	9.8	1.0	10.1	12.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	24	12.5	22.7	*	16.7	27.4	*	16.7	31.7	*
Congestive Heart Failure	56	7.1	15.1	10.1	19.6	24.0	9.3	26.8	31.3	8.0
Pneumonia/Influenza	29	6.9	17.2	*	17.2	23.6	*	24.1	28.7	*
Chronic Obstructive Pulmonary Disease	7	0.0	5.4	*	0.0	10.5	*	0.0	14.9	*
Transient Cerebral Ischemia	15	0.0	2.1	*	0.0	4.8	*	0.0	7.6	*
Stroke	21	4.8	21.5	*	9.5	28.6	*	9.5	33.2	*
Hip Fracture	21	4.8	8.9	*	9.5	16.1	*	9.5	20.9	*
Sepsis	7	14.3	22.2	*	28.6	30.7	*	57.1	36.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	4.1	*	16.7	8.8	*	16.7	13.0	*
Carotid Endarterectomy	13	0.0	1.0	*	0.0	1.6	*	7.7	2.4	*
Hip Replacement/Reconstruction	230	0.0	0.8	0.7	0.0	1.4	1.2	0.4	2.0	1.4
Open Reduction of Hip Fracture	12	8.3	10.6	*	16.7	20.0	*	16.7	26.2	*
Prostatectomy	24	0.0	0.7	*	4.2	1.8	*	4.2	3.0	*
Cholecystectomy	27	0.0	2.4	*	0.0	4.6	*	3.7	6.2	*
Hysterectomy	17	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	243
Occupancy Rate	67
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	135
Percent of Physicians Board Certified Specialists	90
Medical Residents/Interns	12
Registered Nurses	276
Licensed Practical Nurses	4

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NEW ENGLAND BAPTIST HOSPITAL

Medicare Provider Number: 220088

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,797	3.6	5.7	0.7	7.4	9.7	0.9	10.0	12.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	26	11.5	21.3	*	23.1	25.4	*	23.1	29.3	*
Congestive Heart Failure	51	11.8	16.9	6.1	19.6	26.5	7.7	21.6	33.9	10.8
Pneumonia/Influenza	27	18.5	20.5	*	25.9	28.2	*	33.3	33.8	*
Chronic Obstructive Pulmonary Disease	6	0.0	9.0	*	33.3	18.3	*	33.3	24.1	*
Transient Cerebral Ischemia	21	0.0	1.7	*	0.0	3.6	*	0.0	5.7	*
Stroke	26	11.5	21.1	*	19.2	29.3	*	23.1	34.9	*
Hip Fracture	26	3.8	7.3	*	7.7	13.5	*	7.7	17.6	*
Sepsis	11	18.2	19.4	*	27.3	27.4	*	45.5	33.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.9	*	0.0	7.8	*	0.0	11.2	*
Carotid Endarterectomy	12	0.0	2.2	*	0.0	4.6	*	0.0	7.0	*
Hip Replacement/Reconstruction	246	0.8	1.0	0.7	1.2	1.8	1.0	2.0	2.5	1.2
Open Reduction of Hip Fracture	10	0.0	5.8	*	0.0	11.2	*	0.0	15.1	*
Prostatectomy	19	0.0	1.1	*	0.0	2.8	*	5.3	4.6	*
Cholecystectomy	26	3.8	2.6	*	3.8	4.9	*	3.8	6.8	*
Hysterectomy	14	0.0	0.5	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,681	3.1	5.2	0.8	6.7	9.1	1.0	8.9	12.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	22	22.7	23.3	*	31.8	26.7	*	31.8	30.3	*
Congestive Heart Failure	33	6.1	16.5	*	9.1	25.9	*	15.2	33.5	*
Pneumonia/Influenza	32	3.1	19.8	*	6.3	27.5	*	12.5	33.4	*
Chronic Obstructive Pulmonary Disease	11	9.1	7.0	*	18.2	12.4	*	18.2	17.2	*
Transient Cerebral Ischemia	20	0.0	1.8	*	0.0	3.7	*	0.0	5.7	*
Stroke	15	0.0	16.8	*	0.0	23.4	*	0.0	28.1	*
Hip Fracture	29	10.3	6.3	*	17.2	11.8	*	17.2	15.8	*
Sepsis	2	50.0	34.6	*	50.0	52.1	*	50.0	64.7	*
PROCEDURES:										
Angioplasty	2	0.0	2.0	*	0.0	3.4	*	0.0	4.9	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	4.6	*	14.3	10.9	*	21.4	17.1	*
Carotid Endarterectomy	13	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	212	0.9	1.4	1.1	2.8	2.6	1.1	3.3	3.5	1.3
Open Reduction of Hip Fracture	12	8.3	4.0	*	8.3	8.0	*	8.3	10.9	*
Prostatectomy	23	4.3	1.2	*	4.3	3.0	*	4.3	5.2	*
Cholecystectomy	20	0.0	3.0	*	5.0	5.8	*	5.0	7.9	*
Hysterectomy	12	0.0	0.3	*	8.3	0.7	*	8.3	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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NE
B
New England
Baptist
Hospital

125 Parker Hill Avenue
Boston, Massachusetts 02120

617 738-5800

FACSIMILE 617 [illegible]

January 15, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, MD 21207

Dear Mrs. Kappert,

We are writing in response to this years Health Care Financing Administration's mortality information on Medicare patients who were treated at the New England Baptist Hospital in Boston.

After careful review of our statistics and mortality review by our physician staff we find our management of patient illness within normal limits for an aging population.

Sincerely,

Raymond C. McAfoose
President

FCM/pb

NEW ENGLAND DEACONESS HOSPITAL

185 Pilgrim Rd
Boston, MA 02215

Medicare Provider Number: 220118

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,444	4.5	6.6	0.8	9.4	11.2	0.8	13.3	14.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	45	13.3	22.5	*	24.4	27.0	*	24.4	30.8	*
Congestive Heart Failure	72	12.5	15.0	5.8	20.8	23.9	5.6	34.7	31.1	6.2
Pneumonia/Influenza	37	18.9	18.5	*	29.7	25.4	*	35.1	30.5	*
Chronic Obstructive Pulmonary Disease	7	14.3	8.7	*	42.9	13.9	*	42.9	18.4	*
Transient Cerebral Ischemia	8	0.0	2.7	*	0.0	6.4	*	0.0	10.2	*
Stroke	34	2.9	16.6	*	14.7	23.9	*	17.6	28.4	*
Hip Fracture	13	0.0	12.7	*	7.7	23.1	*	30.8	30.2	*
Sepsis	14	21.4	18.5	*	35.7	27.0	*	42.9	33.0	*
PROCEDURES:										
Angioplasty	111	1.8	2.2	1.5	3.6	3.3	1.8	5.4	4.6	2.3
Coronary Artery Bypass Graft	153	3.3	5.6	2.4	6.5	9.3	3.0	7.8	11.8	3.8
Initial Pacemaker Insertion	1	0.0	2.5	*	0.0	5.1	*	0.0	7.7	*
Carotid Endarterectomy	23	4.3	1.4	*	4.3	2.9	*	4.3	4.3	*
Hip Replacement/Reconstruction	13	0.0	2.7	*	0.0	5.1	*	7.7	7.2	*
Open Reduction of Hip Fracture	9	0.0	12.4	*	11.1	22.9	*	22.2	29.5	*
Prostatectomy	43	0.0	0.9	*	2.3	2.2	*	2.3	3.9	*
Cholecystectomy	31	6.5	3.3	*	9.7	6.7	*	12.9	9.6	*
Hysterectomy	13	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	369
Occupancy Rate	84
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	308
Percent of Physicians Board Certified Specialists	85
Medical Residents/Interns	223
Registered Nurses	619
Licensed Practical Nurses	12

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NEW ENGLAND DEACONESS HOSPITAL

Medicare Provider Number: 220118

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,580	5.2	6.8	0.6	9.2	11.5	0.8	13.2	15.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	64	21.9	25.1	6.8	26.6	29.2	6.0	39.1	33.2	7.4
Congestive Heart Failure	85	15.3	16.3	4.4	23.5	25.0	6.2	32.9	32.0	6.2
Pneumonia/Influenza	41	9.8	15.6	*	9.8	21.6	*	12.2	26.5	*
Chronic Obstructive Pulmonary Disease	7	14.3	7.0	*	14.3	12.4	*	28.6	16.8	*
Transient Cerebral Ischemia	10	0.0	2.5	*	0.0	5.9	*	10.0	9.5	*
Stroke	25	8.0	17.1	*	8.0	23.2	*	20.0	27.4	*
Hip Fracture	11	27.3	6.1	*	27.3	11.6	*	27.3	15.4	*
Sepsis	22	18.2	19.6	*	31.8	27.7	*	36.4	33.5	*
PROCEDURES:										
Angioplasty	74	1.4	2.8	2.9	1.4	3.9	3.8	2.7	5.2	4.5
Coronary Artery Bypass Graft	133	9.8	6.8	4.0	12.8	10.5	4.4	14.3	12.7	5.0
Initial Pacemaker Insertion	5	0.0	2.4	*	0.0	4.5	*	0.0	6.3	*
Carotid Endarterectomy	16	0.0	1.6	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	14	14.3	2.6	*	14.3	5.6	*	21.4	8.4	*
Open Reduction of Hip Fracture	6	16.7	6.2	*	16.7	11.9	*	16.7	15.7	*
Prostatectomy	51	0.0	1.0	1.6	2.0	2.4	2.3	2.0	3.9	3.2
Cholecystectomy	38	5.3	3.5	*	5.3	7.4	*	7.9	11.0	*
Hysterectomy	11	0.0	1.1	*	9.1	2.6	*	9.1	4.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,629	5.4	7.2	0.6	9.9	12.1	0.7	13.9	15.8	0.8
CONDITIONS:										
Acute Myocardial Infarction	58	20.7	29.4	7.2	31.0	34.8	6.4	37.9	39.0	6.5
Congestive Heart Failure	95	16.8	17.4	4.3	31.6	26.5	5.4	36.8	33.8	5.1
Pneumonia/Influenza	29	24.1	15.0	*	31.0	20.7	*	37.9	25.4	*
Chronic Obstructive Pulmonary Disease	6	0.0	5.3	*	16.7	10.6	*	16.7	15.2	*
Transient Cerebral Ischemia	14	7.1	1.9	*	7.1	4.1	*	7.1	6.1	*
Stroke	44	6.8	19.3	*	9.1	26.8	*	18.2	31.4	*
Hip Fracture	19	0.0	5.9	*	10.5	11.2	*	15.8	14.9	*
Sepsis	7	42.9	28.7	*	57.1	40.0	*	71.4	47.6	*
PROCEDURES:										
Angioplasty	80	1.2	3.4	2.9	2.5	4.8	3.0	6.3	6.3	3.5
Coronary Artery Bypass Graft	131	3.8	6.3	3.2	6.1	9.5	3.3	9.2	11.3	3.0
Initial Pacemaker Insertion	11	0.0	4.9	*	9.1	8.9	*	9.1	12.2	*
Carotid Endarterectomy	15	0.0	1.3	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	19	0.0	3.8	*	10.5	7.3	*	10.5	9.8	*
Open Reduction of Hip Fracture	8	0.0	6.2	*	12.5	12.1	*	12.5	16.3	*
Prostatectomy	52	0.0	1.1	*	0.0	2.6	*	0.0	4.3	*
Cholecystectomy	38	5.3	4.5	*	10.5	9.2	*	10.5	12.8	*
Hysterectomy	13	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NEW ENGLAND MEDICAL CENTER HOSPITAL

750 Washington Street
Boston, MA 02111

Medicare Provider Number: 220116

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,049	6.2	8.2	0.7	10.6	12.8	0.9	13.2	16.4	0.9
CONDITIONS:										
Acute Myocardial Infarction	94	17.0	22.8	5.1	19.1	26.8	5.8	20.2	30.6	6.8
Congestive Heart Failure	62	8.1	14.6	8.8	17.7	23.0	8.9	27.4	29.9	7.5
Pneumonia/Influenza	51	7.8	17.4	7.5	11.8	24.0	9.3	15.7	28.9	9.7
Chronic Obstructive Pulmonary Disease	12	33.3	6.8	*	33.3	11.5	*	33.3	15.6	*
Transient Cerebral Ischemia	23	4.3	1.5	*	4.3	3.0	*	8.7	4.5	*
Stroke	44	18.2	22.1	*	27.3	29.1	*	29.5	33.7	*
Hip Fracture	18	0.0	6.1	*	0.0	11.0	*	11.1	14.4	*
Sepsis	9	22.2	23.9	*	22.2	31.9	*	33.3	37.8	*
PROCEDURES:										
Angioplasty	30	0.0	4.4	*	3.3	6.2	*	3.3	7.9	*
Coronary Artery Bypass Graft	121	5.8	6.6	2.8	6.6	9.5	3.6	6.6	11.3	4.2
Initial Pacemaker Insertion	10	0.0	3.8	*	0.0	8.2	*	0.0	12.1	*
Carotid Endarterectomy	13	0.0	1.5	*	0.0	2.9	*	0.0	4.1	*
Hip Replacement/Reconstruction	26	0.0	2.0	*	7.7	4.1	*	7.7	6.1	*
Open Reduction of Hip Fracture	5	0.0	5.8	*	0.0	10.9	*	0.0	14.5	*
Prostatectomy	30	0.0	0.8	*	0.0	1.9	*	0.0	3.2	*
Cholecystectomy	25	0.0	3.4	*	0.0	5.6	*	0.0	7.2	*
Hysterectomy	26	0.0	1.2	*	0.0	2.5	*	0.0	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	464
Occupancy Rate	(Not Available)
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	958
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	267
Registered Nurses	714
Licensed Practical Nurses	3

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

NEW ENGLAND MEDICAL CENTER HOSPITAL

Medicare Provider Number: 220116

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,073	7.2	9.2	0.8	12.3	14.2	1.1	15.2	18.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	97	22.7	26.3	6.4	24.7	30.7	6.9	26.8	34.9	8.2
Congestive Heart Failure	55	16.4	17.2	5.3	30.9	27.1	7.2	40.0	34.6	8.9
Pneumonia/Influenza	44	13.6	19.5	*	27.3	26.5	*	40.9	31.6	*
Chronic Obstructive Pulmonary Disease	23	13.0	7.8	*	13.0	12.7	*	21.7	17.0	*
Transient Cerebral Ischemia	30	0.0	1.6	*	3.3	3.0	*	3.3	4.5	*
Stroke	36	19.4	19.2	*	22.2	25.3	*	25.0	29.6	*
Hip Fracture	26	7.7	7.6	*	7.7	13.3	*	7.7	16.7	*
Sepsis	6	33.3	42.4	*	50.0	50.6	*	66.7	56.8	*
PROCEDURES:										
Angioplasty	30	3.3	5.7	*	3.3	7.4	*	3.3	8.9	*
Coronary Artery Bypass Graft	136	4.4	7.8	2.9	5.1	11.1	3.8	5.9	13.0	4.3
Initial Pacemaker Insertion	11	9.1	5.7	*	9.1	9.2	*	9.1	12.1	*
Carotid Endarterectomy	17	0.0	1.8	*	0.0	3.3	*	0.0	4.8	*
Hip Replacement/Reconstruction	29	3.4	1.6	*	3.4	3.0	*	3.4	3.9	*
Open Reduction of Hip Fracture	13	0.0	5.9	*	0.0	11.0	*	0.0	14.4	*
Prostatectomy	36	0.0	0.8	*	0.0	2.0	*	0.0	3.4	*
Cholecystectomy	18	5.6	1.5	*	11.1	2.4	*	11.1	3.2	*
Hysterectomy	34	0.0	1.2	*	2.9	2.6	*	2.9	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,048	6.8	9.1	0.8	12.3	14.2	0.9	16.0	17.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	65	23.1	28.6	7.5	27.7	33.0	7.7	30.8	37.2	9.6
Congestive Heart Failure	52	9.6	17.4	9.3	21.2	26.6	10.2	28.8	33.9	7.8
Pneumonia/Influenza	40	22.5	18.5	*	32.5	25.6	*	37.5	30.9	*
Chronic Obstructive Pulmonary Disease	12	0.0	11.4	*	8.3	18.9	*	25.0	24.7	*
Transient Cerebral Ischemia	21	0.0	1.6	*	4.8	3.1	*	4.8	4.6	*
Stroke	47	17.0	21.4	*	19.1	28.2	*	21.3	32.5	*
Hip Fracture	28	3.6	8.5	*	3.6	14.4	*	14.3	18.1	*
Sepsis	9	33.3	29.6	*	44.4	38.0	*	44.4	44.5	*
PROCEDURES:										
Angioplasty	16	0.0	3.0	*	0.0	4.1	*	0.0	5.4	*
Coronary Artery Bypass Graft	106	5.7	8.3	3.8	8.5	11.5	5.3	8.5	13.4	5.6
Initial Pacemaker Insertion	7	0.0	6.2	*	0.0	9.6	*	0.0	12.3	*
Carotid Endarterectomy	18	0.0	1.7	*	0.0	3.3	*	5.6	4.8	*
Hip Replacement/Reconstruction	26	0.0	4.6	*	0.0	9.1	*	7.7	12.7	*
Open Reduction of Hip Fracture	17	5.9	7.8	*	5.9	13.8	*	17.6	17.4	*
Prostatectomy	37	0.0	1.0	*	2.7	2.6	*	5.4	4.4	*
Cholecystectomy	23	4.3	4.5	*	4.3	6.5	*	8.7	7.8	*
Hysterectomy	20	0.0	1.5	*	5.0	3.5	*	10.0	5.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NEW ENGLAND MEMORIAL HOSPITAL

5 Woodland Rd
Stoneham, MA 02180

Medicare Provider Number: 220064

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,362	8.6	9.8	1.2	14.2	15.0	1.4	17.5	19.1	1.6
CONDITIONS:										
Acute Myocardial Infarction	36	19.4	27.8	*	27.8	31.1	*	30.6	34.5	*
Congestive Heart Failure	64	12.5	17.0	5.5	31.3	26.5	7.2	35.9	33.9	6.1
Pneumonia/Influenza	86	16.3	18.1	5.2	22.1	24.5	5.1	27.9	29.5	5.2
Chronic Obstructive Pulmonary Disease	21	4.8	5.4	*	4.8	9.9	*	9.5	14.0	*
Transient Cerebral Ischemia	14	0.0	2.1	*	0.0	5.1	*	0.0	8.6	*
Stroke	58	24.1	21.5	5.6	27.6	28.7	6.1	32.8	33.4	6.3
Hip Fracture	30	6.7	7.9	*	10.0	14.2	*	16.7	18.2	*
Sepsis	24	20.8	22.9	*	20.8	29.6	*	25.0	34.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	1.9	*	0.0	4.0	*	0.0	6.0	*
Carotid Endarterectomy	4	0.0	1.1	*	25.0	2.2	*	25.0	3.2	*
Hip Replacement/Reconstruction	18	5.6	5.2	*	5.6	9.9	*	11.1	13.2	*
Open Reduction of Hip Fracture	13	0.0	6.8	*	7.7	12.4	*	7.7	15.9	*
Prostatectomy	30	3.3	1.0	*	3.3	2.6	*	10.0	4.4	*
Cholecystectomy	21	0.0	2.3	*	0.0	4.0	*	0.0	5.1	*
Hysterectomy	15	0.0	0.9	*	0.0	1.8	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	234
Occupancy Rate	67
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	132
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	0
Registered Nurses	215
Licensed Practical Nurses	5

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NEW ENGLAND MEMORIAL HOSPITAL

Medicare Provider Number: 220064

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,450	8.1	9.4	1.2	12.8	14.5	1.5	16.9	18.4	1.5
CONDITIONS:										
Acute Myocardial Infarction	44	29.5	28.4	*	31.8	31.5	*	34.1	34.8	*
Congestive Heart Failure	70	10.0	18.0	5.8	20.0	27.4	6.1	32.9	34.8	5.9
Pneumonia/Influenza	86	12.8	17.6	6.4	18.6	23.5	6.7	20.9	28.1	8.8
Chronic Obstructive Pulmonary Disease	16	0.0	5.6	*	6.3	10.3	*	6.3	14.4	*
Transient Cerebral Ischemia	25	0.0	2.2	*	4.0	4.7	*	4.0	7.3	*
Stroke	47	12.8	18.4	*	19.1	25.4	*	25.5	29.8	*
Hip Fracture	30	0.0	6.2	*	3.3	11.6	*	10.0	15.1	*
Sepsis	15	26.7	19.8	*	40.0	27.9	*	46.7	34.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	2.5	*	0.0	4.3	*	0.0	6.2	*
Carotid Endarterectomy	8	0.0	1.6	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	15	0.0	2.9	*	0.0	5.5	*	0.0	7.2	*
Open Reduction of Hip Fracture	18	0.0	5.6	*	5.6	11.0	*	11.1	15.0	*
Prostatectomy	37	0.0	1.2	*	2.7	3.0	*	5.4	5.0	*
Cholecystectomy	20	5.0	2.9	*	5.0	4.8	*	5.0	5.9	*
Hysterectomy	17	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,431	8.0	10.1	1.1	13.3	15.4	1.3	18.0	19.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	47	27.7	29.4	*	29.8	32.9	*	31.9	36.4	*
Congestive Heart Failure	75	16.0	17.4	5.1	26.7	26.8	5.1	33.3	34.3	5.7
Pneumonia/Influenza	107	8.4	17.0	5.2	16.8	22.8	5.2	24.3	27.6	4.5
Chronic Obstructive Pulmonary Disease	15	6.7	7.4	*	6.7	12.2	*	6.7	16.1	*
Transient Cerebral Ischemia	16	0.0	2.3	*	6.3	5.1	*	6.3	7.9	*
Stroke	46	13.0	21.4	*	19.6	29.3	*	30.4	34.2	*
Hip Fracture	43	4.7	7.2	*	9.3	13.2	*	18.6	17.2	*
Sepsis	19	26.3	27.8	*	36.8	35.1	*	47.4	41.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	2.8	*	0.0	5.8	*	0.0	8.9	*
Carotid Endarterectomy	5	0.0	1.2	*	0.0	2.2	*	0.0	3.1	*
Hip Replacement/Reconstruction	22	9.1	5.1	*	9.1	9.6	*	18.2	12.6	*
Open Reduction of Hip Fracture	25	0.0	6.6	*	8.0	12.7	*	20.0	17.0	*
Prostatectomy	40	2.5	1.1	*	2.5	2.7	*	5.0	4.6	*
Cholecystectomy	25	4.0	4.4	*	8.0	6.7	*	8.0	8.4	*
Hysterectomy	8	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NEWTON-WELLESLEY HOSPITAL

2014 Washington St
Newton Lower Falls, MA 0216

Medicare Provider Number: 220101

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	2,430	8.6	10.5	0.9	14.2	15.8	1.0	18.3	19.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	85	34.1	29.4	5.8	38.8	33.7	6.2	43.5	37.4	7.5
Congestive Heart Failure	94	7.4	18.7	6.0	18.1	28.0	6.9	25.5	35.2	6.5
Pneumonia/Influenza	95	16.8	19.2	4.6	24.2	25.7	5.1	31.6	30.6	4.8
Chronic Obstructive Pulmonary Disease	18	5.6	8.0	*	16.7	13.9	*	16.7	19.2	*
Transient Cerebral Ischemia	22	4.5	1.7	*	4.5	3.6	*	9.1	5.6	*
Stroke	85	18.8	23.4	5.9	28.2	30.6	5.1	34.1	35.2	5.4
Hip Fracture	90	6.7	7.0	2.9	8.9	12.4	4.6	13.3	15.9	5.4
Sepsis	52	21.2	31.8	8.6	23.1	38.1	9.9	28.8	43.3	10.1
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	0.0	2.6	*	0.0	5.2	*	5.6	7.8	*
Carotid Endarterectomy	7	0.0	1.9	*	0.0	4.0	*	0.0	6.3	*
Hip Replacement/Reconstruction	56	3.6	5.0	4.0	3.6	9.4	6.3	8.9	12.6	6.2
Open Reduction of Hip Fracture	43	7.0	6.6	*	11.6	11.8	*	11.6	15.1	*
Prostatectomy	86	0.0	1.3	1.9	0.0	2.8	3.5	3.5	4.5	2.7
Cholecystectomy	44	2.3	2.9	*	2.3	5.1	*	2.3	6.8	*
Hysterectomy	19	0.0	0.6	*	0.0	1.4	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	286
Occupancy Rate	78
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	221
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	23
Registered Nurses	437
Licensed Practical Nurses	12

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

NEWTON-WELLESLEY HOSPITAL

Medicare Provider Number: 220101

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,336	7.7	9.7	0.8	12.9	14.8	0.9	16.3	18.8	1.1
CONDITIONS:										
Acute Myocardial Infarction	107	27.1	28.7	4.6	34.6	33.0	5.0	40.2	37.0	6.7
Congestive Heart Failure	74	13.5	19.8	6.8	21.6	29.3	8.5	28.4	36.6	10.0
Pneumonia/Influenza	114	13.2	20.1	5.8	24.6	26.8	7.0	28.1	32.0	4.9
Chronic Obstructive Pulmonary Disease	17	11.8	5.0	*	11.8	9.2	*	17.6	13.0	*
Transient Cerebral Ischemia	22	0.0	2.3	*	0.0	5.1	*	0.0	8.1	*
Stroke	99	14.1	21.2	5.0	18.2	28.8	6.4	21.2	33.5	7.2
Hip Fracture	85	2.4	7.8	4.1	9.4	13.9	6.0	10.6	17.6	5.7
Sepsis	9	22.2	30.4	*	22.2	36.6	*	33.3	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	5.2	*	0.0	8.4	*	0.0	11.6	*
Carotid Endarterectomy	7	0.0	2.1	*	0.0	4.3	*	0.0	6.4	*
Hip Replacement/Reconstruction	46	0.0	4.4	*	6.5	8.3	*	8.7	10.9	*
Open Reduction of Hip Fracture	48	4.2	7.5	*	10.4	13.8	*	10.4	17.7	*
Prostatectomy	90	0.0	1.4	1.8	1.1	3.3	3.2	2.2	5.2	4.5
Cholecystectomy	42	0.0	3.2	*	9.5	5.6	*	9.5	7.2	*
Hysterectomy	24	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,394	7.7	9.7	0.9	13.5	15.1	0.8	17.1	19.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	71	38.0	28.1	8.5	42.3	32.0	8.1	42.3	35.6	9.1
Congestive Heart Failure	89	12.4	20.8	6.0	28.1	30.7	6.3	32.6	38.3	5.9
Pneumonia/Influenza	82	22.0	18.6	7.7	28.0	24.7	8.9	31.7	29.5	8.6
Chronic Obstructive Pulmonary Disease	18	11.1	8.5	*	16.7	14.8	*	16.7	20.5	*
Transient Cerebral Ischemia	39	7.7	2.3	*	12.8	5.0	*	12.8	7.8	*
Stroke	94	19.1	22.1	4.6	33.0	29.7	5.0	40.4	34.3	6.1
Hip Fracture	107	2.8	7.4	3.3	8.4	13.5	4.7	9.3	17.6	5.6
Sepsis	8	12.5	30.9	*	25.0	42.4	*	50.0	50.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	4.3	*	6.3	7.8	*	18.8	11.1	*
Carotid Endarterectomy	8	0.0	1.5	*	0.0	2.8	*	0.0	4.0	*
Hip Replacement/Reconstruction	42	0.0	4.6	*	4.8	9.0	*	7.1	12.3	*
Open Reduction of Hip Fracture	71	2.8	6.8	4.2	8.5	12.9	6.3	9.9	17.0	6.3
Prostatectomy	84	1.2	1.2	1.4	2.4	2.9	2.1	2.4	4.8	3.1
Cholecystectomy	43	2.3	2.5	*	4.7	4.3	*	4.7	5.3	*
Hysterectomy	24	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NOBLE HOSPITAL

115 W Silver St
Westfield, MA 01085

Medicare Provider Number: 220065

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,015	11.9	11.1	1.2	16.8	16.1	1.3	19.9	20.0	1.4
CONDITIONS:										
Acute Myocardial Infarction	49	38.8	32.3	*	40.8	35.5	*	42.9	39.2	*
Congestive Heart Failure	61	23.0	19.5	10.8	34.4	29.2	9.1	37.7	36.3	6.6
Pneumonia/Influenza	60	26.7	21.9	6.9	30.0	29.3	6.5	38.3	34.7	7.5
Chronic Obstructive Pulmonary Disease	17	0.0	7.4	*	5.9	13.6	*	17.6	18.8	*
Transient Cerebral Ischemia	21	0.0	2.2	*	14.3	5.1	*	19.0	8.1	*
Stroke	39	28.2	24.1	*	33.3	30.8	*	43.6	35.6	*
Hip Fracture	33	9.1	6.3	*	9.1	11.5	*	9.1	15.1	*
Sepsis	12	16.7	26.2	*	25.0	32.9	*	33.3	38.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	6.7	*	0.0	13.3	*	0.0	19.0	*
Carotid Endarterectomy	5	0.0	1.0	*	0.0	1.9	*	0.0	2.9	*
Hip Replacement/Reconstruction	11	18.2	5.0	*	18.2	9.3	*	18.2	12.5	*
Open Reduction of Hip Fracture	18	5.6	4.4	*	5.6	8.6	*	5.6	11.7	*
Prostatectomy	28	0.0	1.0	*	3.6	2.5	*	3.6	4.3	*
Cholecystectomy	22	0.0	2.7	*	4.5	4.8	*	9.1	6.3	*
Hysterectomy	1	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	128
Occupancy Rate	66
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	51
Percent of Physicians Board Certified Specialists	71
Medical Residents/Interns	0
Registered Nurses	74
Licensed Practical Nurses	30

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NOBLE HOSPITAL

Medicare Provider Number: 220065

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,136	12.3	11.3	1.3	17.6	16.2	1.8	21.7	20.2	2.2
CONDITIONS:										
Acute Myocardial Infarction	58	29.3	34.2	7.4	36.2	37.9	6.6	43.1	42.1	6.5
Congestive Heart Failure	58	19.0	18.3	5.5	29.3	27.2	6.1	34.5	34.4	7.2
Pneumonia/Influenza	51	19.6	22.6	7.4	31.4	29.8	10.6	37.3	35.0	9.2
Chronic Obstructive Pulmonary Disease	15	20.0	6.2	*	20.0	12.5	*	26.7	18.3	*
Transient Cerebral Ischemia	30	0.0	2.1	*	0.0	4.5	*	3.3	7.2	*
Stroke	43	39.5	23.0	*	46.5	29.3	*	55.8	34.1	*
Hip Fracture	34	8.8	6.1	*	8.8	11.3	*	11.8	14.8	*
Sepsis	5	60.0	37.4	*	80.0	47.5	*	80.0	54.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	3.0	*	12.5	6.1	*	12.5	9.2	*
Carotid Endarterectomy	5	0.0	1.4	*	0.0	2.9	*	0.0	4.4	*
Hip Replacement/Reconstruction	13	7.7	3.6	*	7.7	6.8	*	7.7	8.8	*
Open Reduction of Hip Fracture	18	0.0	5.5	*	0.0	10.6	*	5.6	14.2	*
Prostatectomy	29	0.0	0.8	*	0.0	2.0	*	0.0	3.4	*
Cholecystectomy	27	0.0	2.0	*	0.0	3.8	*	0.0	5.2	*
Hysterectomy	3	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,174	10.7	10.0	1.0	16.7	14.8	1.6	19.2	18.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	44	29.5	30.6	*	38.6	33.9	*	38.6	37.9	*
Congestive Heart Failure	79	20.3	17.3	4.9	27.8	25.8	5.1	35.4	32.8	6.1
Pneumonia/Influenza	80	23.7	20.9	5.9	37.5	28.1	8.0	41.2	33.5	7.7
Chronic Obstructive Pulmonary Disease	22	9.1	11.6	*	18.2	19.4	*	18.2	25.2	*
Transient Cerebral Ischemia	36	2.8	2.4	*	8.3	5.5	*	11.1	8.9	*
Stroke	43	20.9	23.6	*	39.5	30.6	*	41.9	35.7	*
Hip Fracture	37	5.4	7.5	*	13.5	13.5	*	16.2	17.7	*
Sepsis	6	0.0	21.7	*	0.0	26.8	*	0.0	31.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	2.2	*	0.0	4.3	*	0.0	6.3	*
Carotid Endarterectomy	4	0.0	2.3	*	25.0	4.5	*	25.0	6.6	*
Hip Replacement/Reconstruction	16	6.3	6.9	*	18.8	12.9	*	25.0	17.0	*
Open Reduction of Hip Fracture	23	4.3	5.3	*	8.7	10.2	*	13.0	13.8	*
Prostatectomy	16	0.0	1.5	*	0.0	3.7	*	0.0	6.0	*
Cholecystectomy	29	0.0	1.8	*	0.0	3.2	*	0.0	4.2	*
Hysterectomy	4	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

295.1

NOBLE HOSPITAL

*Quality Care,
Close to Home*

Hospital Provider #220065

January 14, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

The Health Care Financing Administration (HCFA) mortality information for Medicare patients who died within 30 days of admission in 1989 was reviewed by the medical staff at Noble Hospital. The mortality rate of all cases (11.9%) was slightly higher than the predicted range (11.1%) but within the standard deviation of 1.2%.

There were eight medical categories and nine procedures identified for review. Only two medical categories had a standard deviation listed, all other medical categories and procedures either did not have sufficient number of cases or deaths to permit satisfactory estimation of the standard deviation.

The medical categories identified with a standard deviation:

Category	Cases	Observed	Predicted	SD	95% Confidence Level
CHF	61	23.0	19.5	10.8	40.8
Pneumonia/ Influenza	60	26.7	21.9	6.9	35.5

Although the Pneumonia/Influenza cases were within the 95% Confidence Level the medical staff did review 23 cases because the observed mortality rate for 1989 was higher than 1988. Our findings are as follows:

1. 2 patients expired from another condition.
2. 1 patient expired from another condition in a Hospice.
3. 1 patient expired at home 4 months after discharge.
4. 1 patient expired at a nursing home 4 months after discharge.
5. 1 patient expired at a nursing home 5 months after discharge.
6. For all other patients (17) death was anticipated, condition deteriorated.

The medical staff also reviewed 2 deaths in the category Hip Replacement/ Reconstruction with the following findings:

#1 patient was doing well regarding surgical procedure; however, he had many medical problems and the cause of death was listed as, 1. Hyperkalemia, 2. Acute renal failure.

115 W. Silver Street
P.O. Box 1634
Westfield, MA
01086-1634

(413) 568-2811

#2 patient was doing fairly well regarding surgical procedure, however, she had end stage COPD and 7 days post-operatively she was seen by a pulmonologist and expired 2 days later.

The above cases do not indicate the outcome of the procedure accurately.

The Hospital has reviewed the mortality statistics for the years 1987, 1988 and 1989 and notes that "the number of cases in all causes has decreased and the number of cases in 4 categories has decreased while the number of cases in 4 categories has increased". The number of cases under procedures has declined by 15 from 1988.

This report will be shared with the appropriate departments and/or committees.

Yours truly,

Janet Ghareeb

Janet A.Ghareeb, R.N.
Director UR/QA

JAG/reh

NORTH ADAMS REGIONAL HOSPITAL

Hospital Ave
North Adams, MA 01247

Medicare Provider Number: 220051

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,106	9.4	9.7	0.9	13.7	14.7	1.2	18.4	18.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	62	21.0	27.6	7.7	22.6	30.9	8.2	27.4	34.4	7.8
Congestive Heart Failure	61	13.1	15.4	6.6	18.0	23.9	7.9	29.5	30.8	6.1
Pneumonia/Influenza	54	22.2	17.5	7.5	31.5	23.7	9.0	38.9	28.5	11.3
Chronic Obstructive Pulmonary Disease	10	10.0	3.9	*	10.0	7.6	*	20.0	11.0	*
Transient Cerebral Ischemia	16	0.0	1.8	*	0.0	4.1	*	0.0	6.5	*
Stroke	65	12.3	18.9	7.5	20.0	26.4	8.6	23.1	31.0	11.0
Hip Fracture	36	5.6	7.0	*	13.9	12.5	*	19.4	16.2	*
Sepsis	14	28.6	31.1	*	35.7	39.0	*	35.7	45.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	8.9	*	0.0	13.4	*	12.5	17.1	*
Carotid Endarterectomy	2	0.0	1.3	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	16	6.3	3.5	*	12.5	6.6	*	12.5	8.8	*
Open Reduction of Hip Fracture	19	5.3	6.4	*	15.8	11.9	*	26.3	15.7	*
Prostatectomy	19	0.0	0.5	*	0.0	1.2	*	0.0	2.0	*
Cholecystectomy	18	5.6	4.5	*	5.6	6.9	*	5.6	8.4	*
Hysterectomy	10	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	146
Occupancy Rate	60
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	57
Percent of Physicians Board Certified Specialists	91
Medical Residents/Interns	0
Registered Nurses	115
Licensed Practical Nurses	37

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NORTH ADAMS REGIONAL HOSPITAL

Medicare Provider Number: 220051

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,142	10.1	10.5	1.0	15.7	15.8	1.2	19.5	20.0	1.2
CONDITIONS:										
Acute Myocardial Infarction	51	15.7	33.5	9.1	19.6	37.1	9.7	21.6	40.9	9.9
Congestive Heart Failure	94	12.8	16.7	5.0	27.7	25.6	4.9	31.9	33.0	5.3
Pneumonia/Influenza	46	19.6	18.5	*	26.1	25.2	*	37.0	30.3	*
Chronic Obstructive Pulmonary Disease	11	0.0	11.8	*	9.1	20.2	*	18.2	26.6	*
Transient Cerebral Ischemia	14	0.0	1.8	*	7.1	3.9	*	7.1	6.1	*
Stroke	80	20.0	20.7	4.6	23.7	28.3	5.7	30.0	33.1	5.5
Hip Fracture	26	7.7	6.3	*	11.5	11.7	*	11.5	15.2	*
Sepsis	4	0.0	15.9	*	0.0	21.9	*	25.0	26.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	3.3	*	10.0	5.9	*	10.0	8.6	*
Carotid Endarterectomy	3	0.0	1.6	*	0.0	3.3	*	0.0	4.7	*
Hip Replacement/Reconstruction	16	6.3	4.5	*	6.3	8.7	*	6.3	11.5	*
Open Reduction of Hip Fracture	13	7.7	5.5	*	15.4	10.7	*	15.4	14.4	*
Prostatectomy	31	0.0	0.6	*	3.2	1.4	*	3.2	2.4	*
Cholecystectomy	17	5.9	2.0	*	5.9	3.8	*	5.9	5.2	*
Hysterectomy	5	0.0	1.5	*	0.0	3.3	*	0.0	4.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,122	12.1	11.1	1.1	17.5	16.5	1.3	21.3	20.7	1.4
CONDITIONS:										
Acute Myocardial Infarction	74	31.1	30.8	5.4	36.5	33.9	6.2	39.2	37.2	7.3
Congestive Heart Failure	82	18.3	18.1	6.2	22.0	27.0	6.6	31.7	34.2	6.3
Pneumonia/Influenza	52	17.3	17.9	5.3	23.1	24.8	6.5	25.0	30.0	7.2
Chronic Obstructive Pulmonary Disease	17	0.0	10.2	*	11.8	17.4	*	23.5	23.0	*
Transient Cerebral Ischemia	20	0.0	3.2	*	5.0	7.3	*	10.0	11.5	*
Stroke	67	14.9	20.4	6.7	28.4	28.1	5.5	34.3	33.0	6.7
Hip Fracture	30	13.3	10.3	*	20.0	18.6	*	20.0	23.8	*
Sepsis	10	20.0	29.4	*	20.0	37.0	*	30.0	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	7.1	*	11.1	12.2	*	11.1	16.3	*
Carotid Endarterectomy	3	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
Hip Replacement/Reconstruction	15	6.7	4.7	*	6.7	8.5	*	6.7	11.0	*
Open Reduction of Hip Fracture	19	10.5	10.0	*	21.1	19.2	*	21.1	25.0	*
Prostatectomy	13	0.0	1.2	*	7.7	3.1	*	7.7	5.4	*
Cholecystectomy	25	4.0	3.5	*	4.0	6.8	*	16.0	9.5	*
Hysterectomy	7	0.0	1.3	*	0.0	2.9	*	0.0	4.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

297.1

NORTH ADAMS REGIONAL HOSPITAL

A subsidiary of northern berkshire health systems, inc.
Hospital Avenue, North Adams, MA 01247 (413) 663-3701

Patrick L. Muldoon
President

January 14, 1991

William L. Roper, M.D., Administrator
Health Care Financing Administration
Department of Health and Human Services
Washington, D.C. 20201

Dear Mr. Roper:

We would like to include the following comments in the Health Care Financing Administration's upcoming publication of actual versus predicted mortality rates for North Adams Regional Hospital.

The Medical Staff and Administration of North Adams Regional Hospital, as part of its ongoing quality assurance and peer review activities, reviews the care of every patient who dies within our hospital or in the Emergency Department. This commitment predates HCFA's current attempt to apply external quality control measures to our institution and will continue as part of the important role of quality monitoring in our institutional setting.

It is imperative that the public recognize the inherent danger of using one statistical data element alone to draw conclusions about the quality of care at any institution. Specifically:

1. The HCFA data for North Adams Regional Hospital represents a very small mortality incidence in real numbers over a short time frame, one year. Statistical techniques tend to be reduced in validity when numbers are small and timeframes are short, as in the case of the NARH data. Consequently, we suggest caution based upon sample size.

2. The data includes deaths which occurred within 180 days of admission to a hospital. Given North Adams Regional Hospital's Medicare average length of stay of under 8 days, the data on average accounts for deaths for 6 months after discharge. These deaths may or may not be related to admission.

3. The data does not adjust for case mix; i.e., hospitals which serve a large population of elderly or poor or high risk individuals may experience a higher mortality rate not due to poor care, but instead due to the patients that they treat. North Adams Regional Hospital, for example, services a population which is comprised of 17% elderly versus the 12% elderly population nationwide.

North Adams Regional Hospital and its Medical Staff, like all responsible health care institutions, welcome additional information which helps the important work of monitoring quality. However, the publication of one data element, mortality rates, out of the hundreds of indicators reviewed in a hospital every day, can legitimately be used only to raise questions which should then be answered through further study.

We at North Adams Regional Hospital intend to include the HCFA mortality statistics into our overall quality assurance monitoring system as part of our ongoing review process.

Thank you for the opportunity to share our views.

Sincerely,

Patrick L. Muldoon

Patrick L. Muldoon, President
North Adams Regional Hospital

PLM/mb

NORWOOD HOSPITAL

800 Washington St
Norwood, MA 02062

Medicare Provider Number: 220126

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	2,278	9.4	11.3	0.8	13.9	16.8	1.1	17.7	20.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	90	28.9	26.0	4.7	34.4	29.8	6.0	36.7	33.2	5.3
Congestive Heart Failure	163	10.4	17.8	4.0	19.6	27.1	5.8	24.5	34.4	5.2
Pneumonia/Influenza	87	14.9	19.7	6.7	23.0	26.4	5.6	32.2	31.4	5.0
Chronic Obstructive Pulmonary Disease	24	8.3	6.7	*	16.7	12.2	*	16.7	17.1	*
Transient Cerebral Ischemia	41	2.4	2.2	*	4.9	5.1	*	12.2	8.2	*
Stroke	124	12.9	21.5	5.3	18.5	28.8	5.7	25.0	33.3	5.4
Hip Fracture	54	3.7	7.6	5.5	11.1	13.6	6.3	14.8	17.7	6.1
Sepsis	26	26.9	24.8	*	34.6	33.9	*	38.5	40.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	4.2	*	6.7	7.9	*	13.3	11.2	*
Carotid Endarterectomy	3	0.0	1.8	*	0.0	3.3	*	0.0	4.5	*
Hip Replacement/Reconstruction	26	0.0	4.1	*	0.0	7.5	*	0.0	10.0	*
Open Reduction of Hip Fracture	32	3.1	6.9	*	15.6	12.8	*	18.8	16.7	*
Prostatectomy	39	0.0	0.5	*	0.0	1.3	*	0.0	2.1	*
Cholecystectomy	32	0.0	4.4	*	6.3	6.9	*	6.3	8.2	*
Hysterectomy	17	0.0	1.5	*	0.0	3.1	*	0.0	4.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	208
Occupancy Rate	97
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	171
Percent of Physicians Board Certified Specialists	85
Medical Residents/Interns	0
Registered Nurses	247
Licensed Practical Nurses	60

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NORWOOD HOSPITAL

Medicare Provider Number: 220126

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,335	8.9	11.4	0.9	14.2	16.8	1.0	17.9	20.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	98	31.6	27.0	5.0	37.8	30.7	5.8	40.8	34.3	5.7
Congestive Heart Failure	127	15.0	18.3	5.3	26.0	27.2	4.4	31.5	34.3	4.7
Pneumonia/Influenza	121	14.9	21.9	4.8	24.8	28.7	5.2	27.3	33.9	5.9
Chronic Obstructive Pulmonary Disease	19	10.5	4.2	*	31.6	8.0	*	31.6	11.4	*
Transient Cerebral Ischemia	42	2.4	2.1	*	7.1	4.5	*	9.5	7.1	*
Stroke	140	17.1	24.2	5.3	25.0	31.3	5.4	27.9	36.0	6.1
Hip Fracture	63	4.8	7.0	3.5	12.7	12.6	4.2	20.6	16.1	5.5
Sepsis	26	42.3	26.8	*	42.3	35.1	*	46.2	41.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	0.0	4.9	*	0.0	8.5	*	0.0	11.7	*
Carotid Endarterectomy	18	0.0	1.7	*	0.0	3.0	*	0.0	4.4	*
Hip Replacement/Reconstruction	51	0.0	4.0	4.7	9.8	7.6	4.0	15.7	10.3	5.9
Open Reduction of Hip Fracture	32	3.1	7.1	*	9.4	13.1	*	15.6	16.8	*
Prostatectomy	40	0.0	1.2	*	0.0	2.2	*	2.5	3.4	*
Cholecystectomy	33	0.0	3.5	*	0.0	5.7	*	0.0	7.1	*
Hysterectomy	18	0.0	0.5	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,284	9.2	10.4	0.9	13.7	15.6	1.1	17.0	19.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	87	33.3	25.9	7.4	34.5	29.6	7.8	34.5	33.0	9.2
Congestive Heart Failure	131	15.3	19.4	3.9	24.4	29.0	5.2	32.8	36.6	5.0
Pneumonia/Influenza	109	18.3	17.8	3.8	23.9	23.7	4.1	29.4	28.4	4.6
Chronic Obstructive Pulmonary Disease	23	8.7	8.8	*	13.0	16.0	*	17.4	22.1	*
Transient Cerebral Ischemia	58	0.0	1.8	2.5	3.4	4.0	4.4	3.4	6.4	5.4
Stroke	105	25.7	23.4	4.6	31.4	30.6	4.6	35.2	35.1	4.7
Hip Fracture	70	2.9	7.4	3.9	2.9	13.2	5.6	11.4	17.1	6.4
Sepsis	28	25.0	20.0	*	32.1	28.7	*	32.1	34.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	3.5	*	0.0	6.8	*	0.0	9.9	*
Carotid Endarterectomy	14	0.0	1.7	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	50	2.0	4.0	*	2.0	7.7	*	8.0	10.4	*
Open Reduction of Hip Fracture	32	3.1	8.0	*	3.1	14.8	*	12.5	19.2	*
Prostatectomy	30	0.0	0.8	*	0.0	2.0	*	0.0	3.4	*
Cholecystectomy	46	2.2	3.3	*	4.3	6.2	*	4.3	8.2	*
Hysterectomy	17	0.0	0.3	*	0.0	0.6	*	5.9	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

299.1

NVHS
Norwood Hospital

800 Washington Street
Norwood, Massachusetts 02062
Telephone (617) 769-4000

January 14, 1991

TO:
Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

FROM:
Jeanne M. Morello
Senior Vice President, Operation

Medicare Provider # 220126

The hospital has reviewed the HCFA FY 1989 mortality data received on December 7, 1990 and notes that the FY 1989 rate for all cases, observed for 30 days, remains low at 9.4 - where the predicted rate was 11.3. The average age was 81 years, with a range of 42 years - 100 years.

Preliminary scrutiny of the deaths revealed that these patients had multi-system problems which raised questions about the appropriateness of the assignment by category of the causes of death, particularly for AMI (Category 1). Indepth review of the inpatient records revealed that at least seven patients in the AMI group belonged in other categories: 4 in CHF; 1 in Sepsis; 1 in intracerebral bleed (Stroke); 1 in Pneumonia. In the TIA category six patients were identified, but two cases should have been included in the Stroke category.

Further evaluation of the AMI data totals showed that out of 37 patients, 26 died in the hospital. Thirteen out of 26 (50%) died within 24 hours of admission. Eleven of the 37 (30%) were discharged alive and death occurred on an average of 99 days later. The patients ranged in age from 71 to 94. A comparable study done by the Medical Intensive Care Unit for the same time period put the totals at: 19 deaths out of 195 AMI (10%). This information reflects a more accurate picture of the hospital's AMI death rate.

Regardless of the methodology used in determining and categorizing mortality rates, in all but one category, there has been a steady decrease in the mortality rates of observed deaths from the FY 1987 to the FY 1989 mortality rates: Strokes from 25.7 to 12.9, Acute Myocardial Infarctions from 33.3 to 28.9, Congestive Heart Failure from 15.3 to 10.4, and Pneumonia from 18.3 to 14.9. The only area with a slight increase is "Sepsis," where the number of cases and/or deaths is too small - there were ten cases - to permit satisfactory establishment of a standard deviation. The disease "Sepsis" is an overwhelming infection and combined with other illnesses such as cancer, it severely compromises the body's infection-fighting capabilities. The hospital's infection-control team, which is a component of the organization-wide quality assurance program, provides assistance to the medical staff in the control and management of serious infections.

SUMMARY OF DEATHS
HCFA DATA
FI 1989

The data studied included cases where the patient died after discharge from the hospital, 116 deaths out of 199 (58%). There were a number of cases where death occurred eleven months to a year after discharge. The causes of death of these patients are not easily identified. In fact, the true cause of a particular patient's death may differ from the patient's reason for hospitalization and medical treatment.

The hospital has an established integrated quality assurance/risk management (QA/RM) program which comprehensively monitors the quality of care delivered to patients and ensures correction of identified problems using specific indicators established by the medical staff and hospital professional staff, the JCAHO, federal and state regulators, and the hospital's insurer's risk management guidelines. One of the components of the QA/RM program is the review of deaths. Review is conducted on 100% of deaths within 24 hours of admission, unexpected deaths, post-operative deaths, and other medical deaths, randomly selected for indepth review, which are used for discussion and educational sessions for the medical staff.

Because the 1989 HCFA data were compiled differently from data received in the past, using fiscal year data and randomly selected hospital admissions for a particular patient, not necessarily the patient's last hospital admission prior to death, the hospital established a range of predicted mortality to measure its results, using HCFA's guidelines, computed to a confidence interval of 95%. The following are the HCFA data categories for the FY 1989 30-days mortality rates:

CATEGORY	**OBSERVED**	**PEDICTED**	**STANDARD DEVIATION**	**RANGE OF PREDICTED**
All Causes	9.4	11.3	0.8	9.7 - 12.9
(C1) AMI	28.9	26.0	4.7	16.6 - 35.4
(C2) CHF	10.4	17.8	4.0	2.4 - 25.8
(C3) Pneumonia	14.9	19.7	6.7	1.5 - 33.1
(C4) COPD	8.3	6.7	*	
(C5) TIA	2.4	2.2	*	
(C6) Stroke	12.9	21.5	5.3	2.3 - 32.1
(C7) Hip Fx	3.7	7.6	5.5	-3.4 - 18.6
(C8) Sepsis	26.9	24.8	*	

* Number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

The hospital will evaluate these data further for indications of problems in the delivery of care to patients.

All reports received from external agencies are taken seriously and incorporated into the hospital's QA/RM program. .

QUINCY HOSPITAL

114 Whitewell Street
Quincy, MA 02169

Medicare Provider Number: 220067

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,299	11.9	11.9	0.8	17.5	17.9	1.2	21.8	22.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	77	28.6	31.9	6.3	32.5	36.4	6.4	40.3	40.3	5.6
Congestive Heart Failure	138	18.8	17.5	5.1	32.6	26.4	7.6	40.6	33.8	8.9
Pneumonia/Influenza	143	24.5	21.9	3.6	27.3	29.3	3.9	31.5	34.9	4.2
Chronic Obstructive Pulmonary Disease	25	8.0	10.1	*	8.0	16.5	*	8.0	22.0	*
Transient Cerebral Ischemia	26	3.8	2.3	*	3.8	5.1	*	11.5	8.2	*
Stroke	123	16.3	22.4	6.5	21.1	30.0	7.7	27.6	34.7	6.5
Hip Fracture	72	2.8	7.3	4.0	6.9	13.4	5.8	8.3	17.6	7.1
Sepsis	32	37.5	33.8	*	40.6	42.2	*	46.9	49.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	3.7	*	0.0	7.0	*	7.1	10.1	*
Carotid Endarterectomy	1	0.0	0.7	*	0.0	1.2	*	0.0	1.8	*
Hip Replacement/Reconstruction	27	0.0	5.4	*	7.4	10.4	*	7.4	14.1	*
Open Reduction of Hip Fracture	37	2.7	6.1	*	2.7	11.6	*	2.7	15.4	*
Prostatectomy	65	0.0	1.5	2.3	3.1	3.8	2.9	6.2	6.5	3.8
Cholecystectomy	38	5.3	4.1	*	5.3	7.5	*	5.3	9.7	*
Hysterectomy	7	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	293
Occupancy Rate	64
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	201
Percent of Physicians Board Certified Specialists	80
Medical Residents/Interns	0
Registered Nurses	201
Licensed Practical Nurses	12

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

QUINCY HOSPITAL

Medicare Provider Number: 220067

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,588	11.7	12.1	1.1	17.9	18.3	1.1	22.4	22.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	100	41.0	30.3	7.9	47.0	34.4	8.5	49.0	38.4	8.2
Congestive Heart Failure	126	17.5	19.0	4.0	24.6	27.8	5.0	34.1	34.9	4.3
Pneumonia/Influenza	148	20.3	21.8	5.9	24.3	28.8	6.9	29.1	33.9	6.6
Chronic Obstructive Pulmonary Disease	23	0.0	13.1	*	4.3	20.0	*	8.7	25.7	*
Transient Cerebral Ischemia	29	0.0	1.9	*	6.9	4.3	*	6.9	6.8	*
Stroke	124	18.5	22.0	4.2	27.4	30.1	5.0	33.1	35.0	4.4
Hip Fracture	91	1.1	7.4	3.4	4.4	13.8	4.9	7.7	17.9	5.3
Sepsis	41	24.4	32.9	*	29.3	42.1	*	39.0	49.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	8.8	*	20.0	12.0	*	20.0	14.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	34	2.9	4.5	*	2.9	8.8	*	5.9	11.6	*
Open Reduction of Hip Fracture	57	0.0	6.9	4.3	5.3	13.4	5.9	8.8	17.9	6.5
Prostatectomy	73	1.4	1.3	1.3	2.7	3.3	2.2	4.1	5.6	3.0
Cholecystectomy	49	8.2	2.8	*	12.2	5.1	*	12.2	6.7	*
Hysterectomy	8	0.0	1.6	*	0.0	3.2	*	0.0	4.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,732	11.2	11.9	1.2	17.9	17.7	1.4	21.9	22.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	93	35.5	29.9	9.2	39.8	33.8	8.3	40.9	37.5	6.8
Congestive Heart Failure	168	18.5	20.7	4.2	31.5	29.8	4.3	38.7	37.1	4.8
Pneumonia/Influenza	131	18.3	23.6	4.1	25.2	31.2	5.1	30.5	37.0	4.9
Chronic Obstructive Pulmonary Disease	18	5.6	11.3	*	11.1	19.2	*	11.1	25.2	*
Transient Cerebral Ischemia	33	6.1	2.1	*	9.1	4.7	*	9.1	7.6	*
Stroke	155	21.9	23.8	4.0	32.3	31.8	4.0	35.5	36.6	4.1
Hip Fracture	97	6.2	7.1	2.8	12.4	13.0	4.0	15.5	16.8	4.2
Sepsis	54	16.7	29.9	10.4	29.6	41.5	9.7	37.0	49.0	9.7
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	3.7	*	9.1	7.2	*	9.1	10.4	*
Carotid Endarterectomy	1	0.0	1.8	*	0.0	3.4	*	0.0	5.0	*
Hip Replacement/Reconstruction	35	5.7	4.8	*	17.1	9.4	*	20.0	12.6	*
Open Reduction of Hip Fracture	66	3.0	6.3	3.9	6.1	11.9	6.6	9.1	15.7	7.9
Prostatectomy	109	5.5	1.4	2.2	10.1	3.5	3.0	11.9	5.8	3.3
Cholecystectomy	55	0.0	3.9	4.3	1.8	6.7	5.5	5.5	8.3	4.9
Hysterectomy	9	0.0	0.3	*	0.0	0.6	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Quincy Hospital

114 Whitwell Street
Quincy, Massachusetts
02169

(617) 773-6100
FAX: (617) 479-5812

January 3, 1991

Health Standards and Quality Bureau
Health Care Financing Administration
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Quincy Hospital's Statement: 1989 Medicare Hospital Mortality Information
Medicare Provider #220067

Dear Mrs. Kappert:

Quincy Hospital is in receipt of the HCFA Medicare hospital mortality information for 1989, together with data from 1987 and 1988, in a format different from previous mortality data releases. The variability of the data and the multiplicity of the factors inter-relating in their development make them inaccurate predictors of quality of care. It is in this light that we accept this mortality information.

We note that our mortality rate was less than that predicted from national experience in 83.3% of the categories. In the remaining 16.7% of the categories listed, there were too few deaths to analyze statistically in all but one. In the one category with a death rate exceeding the national average, our mortality rate lay in the lower half of a predicted range.

In our institution, all deaths are regularly reviewed by our UR/QA team, thence by committees of the services involved with presentation to departmental meetings for indepth discussions of specific problems. That statistical variables noted in 1987 and 1988 data do not appear in 1989 data, indicates a positive trend in our mortality management.

Sincerely,

William P. Ridder, M.D.
Director of Medical Review

WPR/md

enclosure(s) 2

SALEM HOSPITAL

81 Highland Avenue
Salem, MA 01970

Medicare Provider Number: 220006

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,829	8.6	9.2	0.7	13.4	14.2	0.8	16.8	18.1	1.0
CONDITIONS:										
Acute Myocardial Infarction	87	24.1	24.7	6.0	33.3	28.1	5.9	35.6	31.4	5.8
Congestive Heart Failure	148	10.8	16.1	4.4	17.6	24.5	4.7	23.6	31.5	5.4
Pneumonia/Influenza	95	15.8	16.5	4.8	18.9	22.3	6.2	21.1	26.7	7.5
Chronic Obstructive Pulmonary Disease	38	10.5	7.2	*	23.7	13.2	*	23.7	18.7	*
Transient Cerebral Ischemia	40	2.5	1.8	*	2.5	4.0	*	2.5	6.4	*
Stroke	97	14.4	21.7	7.7	20.6	28.3	9.0	24.7	32.7	9.5
Hip Fracture	84	7.1	6.4	3.4	10.7	11.4	3.5	11.9	14.8	4.7
Sepsis	11	36.4	27.3	*	36.4	33.6	*	36.4	39.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	1.3	*	0.0	2.9	*	0.0	4.5	*
Carotid Endarterectomy	12	0.0	1.2	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction	81	1.2	2.7	2.4	2.5	5.0	3.5	2.5	6.8	4.0
Open Reduction of Hip Fracture	42	2.4	5.7	*	7.1	10.8	*	9.5	14.4	*
Prostatectomy	83	0.0	1.3	1.9	2.4	3.2	2.1	4.8	5.3	2.5
Cholecystectomy	43	2.3	3.0	*	7.0	5.4	*	9.3	7.2	*
Hysterectomy	32	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	331
Occupancy Rate	83
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	243
Percent of Physicians Board Certified Specialists	86
Medical Residents/Interns	19
Registered Nurses	408
Licensed Practical Nurses	25

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SALEM HOSPITAL

Medicare Provider Number: 220006

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,946	8.5	9.8	0.7	13.8	15.0	0.8	17.2	19.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	72	30.6	30.0	5.4	34.7	34.0	6.1	38.9	37.7	6.9
Congestive Heart Failure	153	4.6	17.8	3.3	11.1	26.0	4.3	15.7	33.0	4.1
Pneumonia/Influenza	99	14.1	16.4	4.6	20.2	22.2	5.0	21.2	26.9	6.7
Chronic Obstructive Pulmonary Disease	29	6.9	10.4	*	17.2	18.1	*	20.7	24.2	*
Transient Cerebral Ischemia	54	1.9	1.7	1.8	1.9	3.6	3.1	5.6	5.7	3.2
Stroke	119	7.6	22.2	5.2	17.6	28.9	5.0	22.7	33.4	5.0
Hip Fracture	60	5.0	7.3	3.9	18.3	13.0	5.0	25.0	16.5	6.4
Sepsis	24	12.5	26.6	*	25.0	33.5	*	29.2	39.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	0.8	*	0.0	2.0	*	0.0	3.2	*
Carotid Endarterectomy	11	0.0	1.1	*	0.0	2.0	*	0.0	2.8	*
Hip Replacement/Reconstruction	65	3.1	3.1	2.8	9.2	5.8	4.6	10.8	7.6	5.8
Open Reduction of Hip Fracture	37	2.7	6.7	*	16.2	12.6	*	27.0	16.4	*
Prostatectomy	79	2.5	1.1	2.8	6.3	2.6	2.9	7.6	4.3	3.2
Cholecystectomy	40	7.5	4.2	*	7.5	6.6	*	7.5	8.3	*
Hysterectomy	30	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,978	8.5	9.4	0.8	13.5	14.4	0.9	16.6	18.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	122	30.3	28.7	5.4	32.8	32.0	4.9	35.2	35.4	4.5
Congestive Heart Failure	162	15.4	17.9	3.6	25.3	26.8	3.7	29.0	33.9	4.9
Pneumonia/Influenza	75	22.7	17.4	6.9	29.3	23.7	9.1	32.0	28.7	9.3
Chronic Obstructive Pulmonary Disease	31	6.5	8.7	*	12.9	15.0	*	22.6	20.1	*
Transient Cerebral Ischemia	54	0.0	1.6	2.2	1.9	3.5	3.3	3.7	5.6	3.8
Stroke	101	6.9	18.8	5.5	18.8	25.1	5.3	21.8	29.3	5.2
Hip Fracture	91	3.3	6.3	3.2	8.8	11.4	3.5	14.3	14.9	3.8
Sepsis	16	18.8	27.2	*	31.3	33.9	*	37.5	40.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	26	3.8	3.4	*	3.8	7.0	*	3.8	10.4	*
Carotid Endarterectomy	8	0.0	1.3	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	62	0.0	2.7	3.7	1.6	5.3	6.2	6.5	7.2	5.5
Open Reduction of Hip Fracture	53	0.0	5.5	4.8	7.5	10.5	5.9	11.3	14.1	6.8
Prostatectomy	84	0.0	1.1	*	1.2	2.7	*	1.2	4.4	*
Cholecystectomy	40	0.0	3.7	*	0.0	6.4	*	0.0	8.2	*
Hysterectomy	21	0.0	0.7	*	0.0	1.3	*	4.8	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

303.1

Salem
Hospital

81 Highland Avenue
Salem, Massachusetts 01970
Telephone (508) 741-1200

January 14, 1991

Medicare Provider: 220006

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

I am writing in response to the Medicare Mortality Data which is scheduled to be released in the spring.

Although Salem Hospital did not have any observed mortality rates significantly above the predicted rate for 1989, in categories with enough cases to calculate the standard deviation, we would like to take this opportunity to comment on a few areas:

- Use of HCFA Mortality Data - The mortality data as presented by HCFA should be considered as only one component of the comprehensive quality assurance program in place at any hospital. Since the data simply highlights the difference between the observed and predicted death rates (in essence a national average), it is important to view that difference in the light of the results of other quality assurance activities and a thorough knowledge of the types of patients treated before drawing conclusions about the quality of care delivered in an institution. Because of this, consumers should not use the data to decide where to receive medical treatment. As with all healthcare decisions, patients should talk with their physician about their choice of hospital.

- The Predictor Model - Several changes were made in the analysis this year and, as in past years, data from previous years was re-computed using the new model, at times resulting in what seems to be significant changes in data. This attempt to refine the process to improve predictability is appreciated, but it should also serve to point out to consumers and others how little is understood about predicting mortality.

One of the refinements this year is to look at mortality at three intervals - 30, 90 and 180 days - to review possible changes in patterns over time. However, a hospital's ability to control events three to six months post admission is unclear; variation from predicted at these intervals may have no relationship to the care received during hospitalization and readers should consider this information carefully.

Another change eliminates ranges of acceptability and replaces them with a predicted rate and a standard deviation, where there were sufficient cases to allow this. It would seem that this will generate more questions, rather than fewer because the reader now has to have a greater knowledge base to make reasonable use of the data.

We appreciate the opportunity to comment on this process and hope that the reader considers the comments submitted by all hospitals when reviewing the data.

Sincerely yours,

M. J. Geaney

Michael J. Geaney, Jr.
President

MJG/lma

SANCTA MARIA HOSPITAL

799 Concord Ave
Cambridge, MA 02138

Medicare Provider Number: 220061

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	600	12.0	13.2	2.4	18.0	19.4	2.6	21.2	24.0	2.4
CONDITIONS:										
Acute Myocardial Infarction	31	32.3	38.0	*	35.5	42.7	*	38.7	47.2	*
Congestive Heart Failure	27	14.8	18.7	*	14.8	28.3	*	25.9	35.4	*
Pneumonia/Influenza	72	12.5	19.9	6.2	15.3	27.0	7.2	18.1	32.3	8.1
Chronic Obstructive Pulmonary Disease	1	0.0	4.2	*	0.0	7.5	*	0.0	10.8	*
Transient Cerebral Ischemia	6	0.0	1.7	*	0.0	3.7	*	0.0	5.7	*
Stroke	16	18.8	21.3	*	31.3	29.0	*	37.5	34.0	*
Hip Fracture	34	11.8	7.0	*	20.6	12.9	*	26.5	16.8	*
Sepsis	11	18.2	26.6	*	36.4	36.0	*	36.4	42.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.8	*	20.0	7.7	*	20.0	11.2	*
Carotid Endarterectomy	3	0.0	1.0	*	0.0	1.7	*	0.0	2.6	*
Hip Replacement/Reconstruction	12	0.0	3.9	*	0.0	7.8	*	8.3	10.6	*
Open Reduction of Hip Fracture	21	9.5	6.9	*	23.8	13.1	*	28.6	17.3	*
Prostatectomy	13	0.0	1.3	*	0.0	3.0	*	0.0	5.0	*
Cholecystectomy	5	0.0	1.8	*	0.0	3.1	*	0.0	3.9	*
Hysterectomy	1	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds	111
Ownership/Control	Church

STAFFING:

Medical Residents/Interns	0
Registered Nurses	25
Licensed Practical Nurses	4

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	No
Hospice	No
Intensive Care Unit	No
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

SANCTA MARIA HOSPITAL

Medicare Provider Number: 220061

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,066	9.3	10.3	1.7	15.6	16.0	2.1	18.7	20.2	2.3
CONDITIONS:										
Acute Myocardial Infarction	38	21.1	25.4	*	28.9	29.8	*	34.2	33.6	*
Congestive Heart Failure	55	12.7	17.7	5.6	16.4	27.2	7.2	18.2	34.7	8.8
Pneumonia/Influenza	97	11.3	17.2	6.0	20.6	23.5	4.8	25.8	28.1	4.8
Chronic Obstructive Pulmonary Disease	14	0.0	8.2	*	7.1	14.6	*	7.1	20.1	*
Transient Cerebral Ischemia	15	0.0	2.1	*	0.0	4.5	*	0.0	7.2	*
Stroke	24	25.0	22.6	*	29.2	31.5	*	37.5	36.9	*
Hip Fracture	39	5.1	5.6	*	12.8	10.6	*	17.9	14.0	*
Sepsis	12	33.3	31.3	*	50.0	39.2	*	50.0	45.2	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	12.6	*	16.7	18.5	*	33.3	23.1	*
Carotid Endarterectomy	3	0.0	1.1	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	17	5.9	4.1	*	17.6	8.1	*	17.6	11.0	*
Open Reduction of Hip Fracture	24	0.0	5.0	*	4.2	9.6	*	12.5	12.7	*
Prostatectomy	23	0.0	0.7	*	4.3	1.7	*	4.3	3.0	*
Cholecystectomy	14	14.3	2.6	*	21.4	4.9	*	21.4	6.5	*
Hysterectomy	7	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,130	11.9	11.9	1.1	18.9	18.3	1.2	23.1	22.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	63	27.0	25.6	6.1	30.2	29.6	6.7	31.7	33.2	7.6
Congestive Heart Failure	54	13.0	20.0	9.0	18.5	30.1	12.3	25.9	37.7	12.4
Pneumonia/Influenza	74	23.0	21.0	5.0	36.5	28.5	8.0	41.9	33.9	8.4
Chronic Obstructive Pulmonary Disease	14	7.1	10.8	*	21.4	19.0	*	28.6	25.6	*
Transient Cerebral Ischemia	21	0.0	2.3	*	0.0	4.9	*	4.8	7.7	*
Stroke	46	8.7	20.2	*	23.9	27.8	*	30.4	32.6	*
Hip Fracture	32	3.1	7.5	*	9.4	13.8	*	9.4	18.1	*
Sepsis	21	23.8	27.1	*	33.3	35.8	*	33.3	42.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	3.6	*	0.0	7.1	*	12.5	10.2	*
Carotid Endarterectomy	1	0.0	1.1	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	14	0.0	3.3	*	0.0	6.4	*	0.0	8.6	*
Open Reduction of Hip Fracture	21	0.0	6.6	*	9.5	12.8	*	9.5	17.3	*
Prostatectomy	32	0.0	1.2	*	3.1	2.9	*	3.1	5.1	*
Cholecystectomy	13	15.4	6.5	*	23.1	11.9	*	23.1	15.5	*
Hysterectomy	4	0.0	1.1	*	0.0	2.6	*	0.0	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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SANCTA MARIA NURSING FACILITY
799 Concord Avenue, Cambridge, MA 02138
Telephone 617-868-2200

January 16, 1991

Ms. Sandra Kappert
Department of Health and
Human Services
Health Care Financing
Administration
6325 Security Boulevard
Baltimore, MD 21207

Dear Ms. Kappert:

Sancta Maria Hospital suspended inpatient services and emergency acute care services in May of 1989.

Sincerely yours,

Sister Mary Mark

Sister Mary Mark
Administrator

SMM/t

Sponsored by the Daughters of Mary of the Immaculate Conception

SOLDIERS HOME OF HOLYOKE

Cherry St
Holyoke, MA 01040

Medicare Provider Number: 220153

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	56	19.6	15.5	6.2	26.8	22.1	6.8	30.4	27.1	6.7
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	6.8	*	0.0	9.9	*	0.0	12.9	*
Congestive Heart Failure	4	50.0	18.2	*	50.0	26.7	*	50.0	34.0	*
Pneumonia/Influenza	13	23.1	19.9	*	30.8	26.7	*	46.2	31.8	*
Chronic Obstructive Pulmonary Disease	1	0.0	10.7	*	0.0	22.0	*	0.0	33.0	*
Transient Cerebral Ischemia	0									
Stroke	3	33.3	29.9	*	33.3	38.9	*	33.3	45.0	*
Hip Fracture	0									
Sepsis	2	50.0	18.9	*	50.0	23.7	*	50.0	27.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	2	50.0	0.7	*	50.0	1.4	*	50.0	2.3	*
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	286
Occupancy Rate	85
Ownership/Control	State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	8
Percent of Physicians Board Certified Specialists	63
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SOLDIERS HOME OF HOLYOKE

Medicare Provider Number: 220153

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	61	14.8	12.4	4.7	21.3	17.7	5.9	27.9	21.8	7.3
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	2	0.0	9.4	*	0.0	14.2	*	50.0	19.5	*
Pneumonia/Influenza	15	26.7	16.6	*	40.0	22.7	*	46.7	27.4	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	1	0.0	4.6	*	0.0	9.5	*	0.0	14.4	*
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	5	0.0	1.1	*	0.0	2.4	*	0.0	3.5	*
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	63	14.3	13.3	7.7	15.9	20.8	7.8	20.6	26.3	9.3
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	0.0	19.7	*	0.0	28.3	*	0.0	36.3	*
Pneumonia/Influenza	3	66.7	24.6	*	66.7	32.3	*	66.7	38.5	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	1	0.0	42.6	*	0.0	52.7	*	0.0	60.0	*
Hip Fracture	0									
Sepsis	1	0.0	23.7	*	0.0	32.3	*	0.0	40.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	14	0.0	1.5	*	0.0	3.5	*	0.0	5.7	*
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

307.1

The Commonwealth of Massachusetts
Executive Office of Human Services
Soldiers' Home in Holyoke
Holyoke, Massachusetts 01040

SUPERINTENDENT

AREA CODE 413
532-9475

January 8, 1990

Medicare Provider No. 220153

Healthcare Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

The Soldiers' Home in Holyoke acknowledges receipt of the HCFA Mortality data received December 11, 1990.

The mission of the Soldiers'Home in Holyoke is to provide the highest quality of patient care that is within achievable resources to veterans of the Commonwealth of Massachusetts. The hospital unit of our facility consists of twenty-seven (27) Medicare and JCAHO certified beds. The prime purpose of this unit is to provide medical care to the aged or chronically ill veteran who becomes hospital-level of care while a patient in the 259-bed longterm care unit or dormicilliary unit of our facility.

Review of the statistical data reveals that the number of deaths in all seven categories reviewed by HCFA was too small to permit satisfactory estimation of the standard deviation. The Soldiers' Home in Holyoke notes that the average age of the patients reviewed was 79.6 years old with a mean age of 80 years. Individual review of all 23 deaths by Quality Assurance and Risk Management demonstrates all patients had multiple disease entities and had been inpatients on the longterm care unit for several years. These deaths were deemed the expected outcome of multiple disease processes, despite appropriate medical care being rendered.

Due to our population ALL deaths are reviewed for appropriate treatment by the Executive Committee of the Medical Staff. In the event a variation should be identified intensive review follows with appropriate action initiated. All results and recommendations are documented and maintained in the Office of the Medical Director.

Therefore, the Soldiers' Home in Holyoke concludes that considering our patient population, scope of services rendered and the results of statistical analysis of the HCFA mortality information, appropriate quality medical care has been rendered.

Very truly yours,

Rudy J. Chmura

Rudy J. Chmura
Superintendent

RJC/jm

SOMERVILLE HOSPITAL

230 Highland Ave
Somerville, MA 02143

Medicare Provider Number: 220004

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	893	10.9	12.1	1.6	15.3	18.1	1.6	19.0	22.6	1.9
CONDITIONS:										
Acute Myocardial Infarction	35	42.9	27.6	*	45.7	30.7	*	45.7	34.1	*
Congestive Heart Failure	53	9.4	20.5	8.4	22.6	31.0	9.0	28.3	38.8	9.5
Pneumonia/Influenza	46	17.4	20.3	*	26.1	27.4	*	28.3	32.6	*
Chronic Obstructive Pulmonary Disease	15	13.3	11.6	*	20.0	18.0	*	26.7	23.5	*
Transient Cerebral Ischemia	6	0.0	2.9	*	0.0	6.3	*	0.0	10.0	*
Stroke	27	18.5	19.3	*	29.6	26.5	*	33.3	31.1	*
Hip Fracture	22	4.5	5.7	*	9.1	10.6	*	9.1	14.1	*
Sepsis	6	33.3	26.4	*	50.0	34.3	*	50.0	39.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	2.5	*	0.0	4.3	*	0.0	6.0	*
Carotid Endarterectomy	2	0.0	1.8	*	0.0	3.6	*	0.0	5.1	*
Hip Replacement/Reconstruction	14	7.1	4.5	*	7.1	8.5	*	7.1	11.3	*
Open Reduction of Hip Fracture	8	0.0	5.0	*	12.5	9.6	*	12.5	12.9	*
Prostatectomy	23	0.0	1.8	*	8.7	4.7	*	8.7	8.2	*
Cholecystectomy	18	5.6	4.8	*	11.1	8.7	*	16.7	11.6	*
Hysterectomy	5	0.0	1.8	*	0.0	5.1	*	0.0	9.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	79
Occupancy Rate	82
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	44
Percent of Physicians Board Certified Specialists	80
Medical Residents/Interns	0
Registered Nurses	65
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SOMERVILLE HOSPITAL

Medicare Provider Number: 220004

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	932	10.8	11.5	1.4	16.0	17.2	1.4	19.7	21.7	1.7
CONDITIONS:										
Acute Myocardial Infarction	45	37.8	37.2	*	37.8	40.8	*	40.0	45.0	*
Congestive Heart Failure	72	16.7	17.5	6.1	26.4	26.4	5.4	36.1	33.5	8.3
Pneumonia/Influenza	39	15.4	18.1	*	25.6	24.5	*	33.3	29.4	*
Chronic Obstructive Pulmonary Disease	18	11.1	6.8	*	38.9	11.9	*	38.9	16.5	*
Transient Cerebral Ischemia	9	0.0	2.6	*	0.0	5.6	*	0.0	9.0	*
Stroke	37	16.2	23.3	*	27.0	30.3	*	32.4	34.9	*
Hip Fracture	28	10.7	7.3	*	14.3	13.7	*	17.9	17.6	*
Sepsis	11	45.5	29.6	*	45.5	36.9	*	45.5	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	11.1	*	25.0	15.0	*	25.0	18.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	14.3	7.9	*	21.4	15.0	*	21.4	19.2	*
Open Reduction of Hip Fracture	13	7.7	5.7	*	15.4	11.0	*	15.4	14.5	*
Prostatectomy	25	0.0	2.5	*	4.0	6.3	*	4.0	10.6	*
Cholecystectomy	15	13.3	3.9	*	26.7	7.2	*	26.7	10.0	*
Hysterectomy	4	0.0	0.4	*	0.0	1.0	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,020	10.0	11.6	1.5	17.5	17.3	1.2	21.5	21.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	38	31.6	31.9	*	39.5	34.8	*	42.1	38.2	*
Congestive Heart Failure	75	22.7	19.2	6.7	36.0	28.7	7.4	44.0	36.4	8.4
Pneumonia/Influenza	57	17.5	18.6	6.4	35.1	25.1	7.0	38.6	30.2	7.6
Chronic Obstructive Pulmonary Disease	13	7.7	16.8	*	23.1	25.5	*	30.8	30.9	*
Transient Cerebral Ischemia	13	0.0	2.5	*	0.0	5.5	*	0.0	8.9	*
Stroke	31	25.8	21.1	*	35.5	28.8	*	38.7	33.6	*
Hip Fracture	31	3.2	8.3	*	9.7	14.5	*	16.1	18.3	*
Sepsis	12	16.7	35.6	*	41.7	47.4	*	41.7	54.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	8.5	*	33.3	16.1	*	66.7	21.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	6.1	*	12.5	11.6	*	12.5	15.3	*
Open Reduction of Hip Fracture	17	0.0	8.3	*	5.9	15.2	*	17.6	19.5	*
Prostatectomy	32	3.1	2.0	*	6.3	4.7	*	9.4	7.6	*
Cholecystectomy	19	0.0	4.1	*	5.3	6.8	*	5.3	8.2	*
Hysterectomy	11	0.0	1.5	*	0.0	3.4	*	0.0	5.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SOUTH SHORE HOSPITAL

55 Fogg Rd
South Weymouth, MA 02190

Medicare Provider Number: 220100

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,820	8.7	10.6	0.8	14.0	16.0	0.9	18.0	20.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	127	21.3	25.8	7.2	22.0	29.2	7.9	28.3	32.6	7.2
Congestive Heart Failure	174	13.8	16.7	3.1	20.1	25.4	4.3	24.1	32.3	5.5
Pneumonia/Influenza	105	18.1	18.3	5.1	25.7	24.5	4.3	28.6	29.4	4.5
Chronic Obstructive Pulmonary Disease	40	7.5	7.2	*	12.5	13.2	*	17.5	18.5	*
Transient Cerebral Ischemia	46	0.0	2.2	*	2.2	4.9	*	2.2	7.8	*
Stroke	142	11.3	20.0	4.6	16.2	26.7	5.2	22.5	31.1	4.9
Hip Fracture	96	4.2	7.2	4.5	10.4	13.0	5.1	16.7	17.0	4.0
Sepsis	32	3.1	28.6	*	6.3	36.8	*	12.5	42.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	0.0	4.1	*	4.8	8.2	*	4.8	12.1	*
Carotid Endarterectomy	4	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	46	2.2	3.4	*	10.9	6.5	*	10.9	8.9	*
Open Reduction of Hip Fracture	62	3.2	6.7	4.0	8.1	12.8	5.8	17.7	17.0	8.4
Prostatectomy	83	1.2	1.5	1.7	6.0	3.2	3.0	7.2	5.0	4.3
Cholecystectomy	40	5.0	3.1	*	5.0	5.7	*	5.0	7.7	*
Hysterectomy	28	0.0	0.5	*	0.0	1.1	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	301
Occupancy Rate	89
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	165
Percent of Physicians Board Certified Specialists	94
Medical Residents/Interns	0
Registered Nurses	471
Licensed Practical Nurses	45

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

SOUTH SHORE HOSPITAL

Medicare Provider Number: 220100

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,722	10.8	11.3	0.9	16.5	17.0	0.9	20.5	21.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	124	34.7	31.8	7.0	40.3	35.4	7.3	41.9	39.1	5.9
Congestive Heart Failure	168	23.8	18.9	6.7	33.9	28.4	7.1	39.9	35.7	6.1
Pneumonia/Influenza	102	20.6	22.4	5.3	26.5	29.6	6.0	33.3	34.9	5.4
Chronic Obstructive Pulmonary Disease	34	5.9	11.7	*	8.8	18.5	*	17.6	23.9	*
Transient Cerebral Ischemia	45	0.0	2.2	*	0.0	4.9	*	2.2	7.7	*
Stroke	107	19.6	21.9	5.0	29.0	29.2	4.5	30.8	33.9	5.7
Hip Fracture	94	4.3	7.3	4.0	8.5	13.5	6.0	12.8	17.3	5.8
Sepsis	19	31.6	31.4	*	57.9	39.4	*	63.2	46.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	18	0.0	3.8	*	11.1	6.4	*	16.7	9.1	*
Carotid Endarterectomy	11	0.0	1.6	*	9.1	3.1	*	9.1	4.5	*
Hip Replacement/Reconstruction	57	0.0	4.6	5.1	3.5	9.1	6.2	5.3	12.4	7.4
Open Reduction of Hip Fracture	46	2.2	6.3	*	6.5	12.1	*	13.0	15.9	*
Prostatectomy	81	0.0	1.0	1.8	2.5	2.4	1.7	2.5	3.9	2.5
Cholecystectomy	41	0.0	1.8	*	0.0	3.1	*	0.0	4.0	*
Hysterectomy	25	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,767	12.0	11.6	0.8	18.1	17.3	1.0	22.0	21.7	1.1
CONDITIONS:										
Acute Myocardial Infarction	140	34.3	30.9	6.7	36.4	34.1	6.1	38.6	37.5	4.7
Congestive Heart Failure	181	22.7	20.1	3.9	35.9	29.8	5.3	45.3	37.2	6.4
Pneumonia/Influenza	96	24.0	21.7	7.1	34.4	29.0	9.0	39.6	34.5	7.2
Chronic Obstructive Pulmonary Disease	25	4.0	12.5	*	12.0	20.9	*	24.0	27.2	*
Transient Cerebral Ischemia	47	2.1	2.2	*	2.1	4.6	*	6.4	7.2	*
Stroke	143	21.0	21.9	3.9	27.3	29.0	4.2	30.1	33.5	5.1
Hip Fracture	108	10.2	8.0	3.0	16.7	14.6	3.7	17.6	18.9	4.0
Sepsis	27	25.9	27.5	*	33.3	37.3	*	37.0	43.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	30	6.7	6.7	*	6.7	10.9	*	13.3	14.3	*
Carotid Endarterectomy	6	0.0	1.5	*	0.0	2.7	*	0.0	3.8	*
Hip Replacement/Reconstruction	55	5.5	4.2	3.0	9.1	8.2	3.8	9.1	11.1	4.6
Open Reduction of Hip Fracture	57	8.8	7.5	3.7	17.5	14.4	5.3	19.3	19.1	5.2
Prostatectomy	117	0.9	1.4	1.4	3.4	3.3	1.7	5.1	5.5	2.2
Cholecystectomy	44	0.0	1.9	*	0.0	3.3	*	0.0	4.3	*
Hysterectomy	17	0.0	0.7	*	0.0	1.4	*	5.9	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

South Shore
Hospital

55 Fogg Road
South Weymouth
Massachusetts
02190-2455

(617) 340-8000

David T. Hannan
President

FOR RELEASE: JANUARY 14, 1991 Medicare Provider #220100

STATMENT FROM DAVID T HANNAN, PRESIDENT/CEO OF SOUTH SHORE HEALTH AND EDUCATIONAL CORPORATION AND SOUTH SHORE HOSPITAL, IN RESPONSE TO HCFA MORTALITY DATA

Regarding this year's mortality data release, we find that South Shore Hospital's actual mortality experience in total and in all of the categories for the three years examined is within predictable limits. In view of the institutuion's high patient acuity experience, these findings are noteworthy.

South Shore Hospital is a private, not-for-profit, acute care community hospital licensed in 1989 to operate 340 beds (249 medical/surgical, 32 intensive/coronary care, 30 obstetrical, and 20 pediatric/young adult) and 44 newborn bassinets. In 1989, 60 medical/surgical beds were added to respond to the demand for those services. The hospital provides a broad range of inpatient services and is a regional health and wellness resource for the 311,000 residents of 20 towns south of Boston. The Hospital's 315 physicians and allied health practitioners represent virtually every major medical specialty, and 90 per cent of physicians are board certified. The medical/surgical occupancy rate is 89 percent, making South Shore one of the most actively utilized hospitals in the Commonwealth.

Our commitment to delivering quality patient care is evidenced by a strong hospital-wide quality assurance program involving physicians, nurses, and other patient care professionals from all clinical and non-clinical areas. With the help of a full time quality assurance professional staff, the quality and continuity of care and services provided to all of our patients is continually monitored against explicit practice standards developed by members of the medical staff and other clinical professionals at the Hospital. These practice standards are routinely and regularly reviewed for appropriateness.

We appreciate the fact that HCFA has attempted to be responsive to hospitals' concerns regarding statistical methodologies and presentation of the data, and has refined them further this year to make the data as meaningful as possible. However, the need continues to refine the methodology to incorporate patient-specific variables which affect outcome and explain the variance in mortality among hospitals. Examination of the data over a 180-day time frame may allow HCFA to examine other factors in the health care delivery system that can affect outcome.

Despite the latest adjustments to HCFA's model, health care consumers still should interpret these data with caution and may find the information valuable only when supported by more complete assessment of individual case outcomes. The quality assurance program at South Shore Hospital meets this responsibility for all patients including Medicare patients. An ongoing hospital quality assurance program, supported by administration and the medical staff, remains the only valid method of assessing the quality of medical care provided to our patients. The HCFA mortality data will be subjected to review by the hospital's Quality Assurance Committee, as has been done in previous years.

South Shore Hospital appreciates the opportunity to comment on this material. We encourage health care consumers to make informed decisions based on accurate, reliable, and complete information. Quality health care is a mutual goal for both consumers and providers. South Shore Hospital's participation in refining HCFA's model is an example of how we can work together to create accurate evaluation and reporting systems so that truly informed decisions can be made.

SOUTHWOOD COMMUNITY HOSPITAL

111 Dedham Street
Norfolk, MA 02056

Medicare Provider Number: 220079

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	570	8.9	10.0	1.7	14.7	16.5	2.5	18.2	21.1	3.3
CONDITIONS:										
Acute Myocardial Infarction	12	41.7	23.7	*	41.7	27.3	*	41.7	30.7	*
Congestive Heart Failure	20	5.0	19.2	*	10.0	29.8	*	20.0	37.8	*
Pneumonia/Influenza	23	17.4	18.5	*	17.4	25.0	*	21.7	29.9	*
Chronic Obstructive Pulmonary Disease	7	14.3	10.8	*	14.3	18.4	*	14.3	24.0	*
Transient Cerebral Ischemia	5	0.0	1.3	*	0.0	3.0	*	0.0	4.9	*
Stroke	7	0.0	21.2	*	0.0	28.1	*	0.0	32.5	*
Hip Fracture	5	0.0	4.9	*	0.0	8.7	*	0.0	11.4	*
Sepsis	5	20.0	20.6	*	20.0	30.9	*	20.0	37.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.1	*	0.0	4.5	*	0.0	7.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	5.6	*	0.0	12.4	*	0.0	18.9	*
Open Reduction of Hip Fracture	2	0.0	4.5	*	0.0	8.8	*	0.0	11.9	*
Prostatectomy	1	0.0	0.7	*	0.0	2.1	*	0.0	3.9	*
Cholecystectomy	17	0.0	3.3	*	0.0	5.9	*	0.0	7.5	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	149
Occupancy Rate	73
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	67
Percent of Physicians Board Certified Specialists	91
Medical Residents/Interns	0
Registered Nurses	71
Licensed Practical Nurses	36

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SOUTHWOOD COMMUNITY HOSPITAL

Medicare Provider Number: 220079

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	488	10.2	9.9	1.9	16.2	16.3	1.9	20.7	21.2	2.1
CONDITIONS:										
Acute Myocardial Infarction	10	40.0	24.4	*	50.0	28.4	*	50.0	32.3	*
Congestive Heart Failure	20	0.0	18.3	*	10.0	27.9	*	10.0	35.2	*
Pneumonia/Influenza	16	37.5	21.4	*	43.8	29.1	*	50.0	34.6	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	3	0.0	2.2	*	33.3	4.9	*	33.3	7.7	*
Stroke	13	23.1	22.0	*	30.8	31.4	*	46.2	36.9	*
Hip Fracture	4	0.0	5.8	*	0.0	11.3	*	0.0	15.1	*
Sepsis	5	20.0	33.5	*	20.0	44.0	*	20.0	51.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.4	*	0.0	4.9	*	0.0	7.5	*
Carotid Endarterectomy	1	0.0	2.2	*	0.0	3.7	*	0.0	5.5	*
Hip Replacement/Reconstruction	3	0.0	2.8	*	0.0	5.8	*	0.0	8.0	*
Open Reduction of Hip Fracture	2	0.0	6.2	*	0.0	12.5	*	0.0	16.9	*
Prostatectomy	2	0.0	0.6	*	0.0	1.6	*	0.0	2.7	*
Cholecystectomy	14	0.0	2.2	*	7.1	4.0	*	7.1	5.0	*
Hysterectomy	2	0.0	3.8	*	0.0	7.7	*	0.0	11.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	456	12.1	14.3	2.7	23.0	24.0	2.9	29.8	30.7	2.5
CONDITIONS:										
Acute Myocardial Infarction	11	0.0	35.3	*	9.1	38.1	*	18.2	41.5	*
Congestive Heart Failure	14	7.1	16.9	*	21.4	25.8	*	28.6	33.2	*
Pneumonia/Influenza	20	20.0	20.6	*	25.0	27.9	*	40.0	33.7	*
Chronic Obstructive Pulmonary Disease	8	12.5	13.3	*	25.0	25.4	*	50.0	33.7	*
Transient Cerebral Ischemia	6	0.0	2.2	*	16.7	5.0	*	16.7	8.0	*
Stroke	14	14.3	20.4	*	14.3	28.4	*	21.4	33.1	*
Hip Fracture	9	11.1	10.9	*	22.2	19.5	*	22.2	25.1	*
Sepsis	7	28.6	35.7	*	28.6	45.2	*	42.9	51.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.4	*	0.0	5.1	*	0.0	7.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	7.0	*	0.0	11.4	*	0.0	14.1	*
Open Reduction of Hip Fracture	4	0.0	4.3	*	25.0	8.5	*	25.0	11.5	*
Prostatectomy	3	0.0	0.4	*	0.0	0.8	*	0.0	1.4	*
Cholecystectomy	6	0.0	3.5	*	0.0	7.0	*	0.0	9.7	*
Hysterectomy	5	0.0	1.2	*	0.0	2.9	*	0.0	4.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST ANNES HOSPITAL CORPORATION

795 Middle St
Fall River, MA 02722

Medicare Provider Number: 220020

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,650	10.8	11.1	0.9	17.5	17.0	1.2	20.8	21.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	92	23.9	20.6	6.2	31.5	24.3	8.3	32.6	27.8	8.5
Congestive Heart Failure	95	14.7	18.1	6.3	23.2	27.1	8.1	29.5	34.2	6.5
Pneumonia/Influenza	59	23.7	20.2	6.1	39.0	27.4	7.9	42.4	32.9	7.5
Chronic Obstructive Pulmonary Disease	35	8.6	7.4	*	14.3	13.4	*	14.3	18.8	*
Transient Cerebral Ischemia	25	8.0	1.5	*	8.0	3.1	*	8.0	4.9	*
Stroke	75	14.7	21.6	8.5	22.7	28.4	9.6	26.7	32.9	10.1
Hip Fracture	34	0.0	6.6	*	2.9	11.9	*	5.9	15.5	*
Sepsis	34	11.8	29.7	*	23.5	37.9	*	29.4	44.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	6.6	*	21.4	11.9	*	21.4	16.3	*
Carotid Endarterectomy	1	0.0	1.0	*	0.0	1.8	*	0.0	2.6	*
Hip Replacement/Reconstruction	5	0.0	1.9	*	0.0	3.5	*	0.0	4.8	*
Open Reduction of Hip Fracture	16	0.0	5.9	*	0.0	11.2	*	0.0	14.7	*
Prostatectomy	46	2.2	0.6	*	2.2	1.4	*	4.3	2.4	*
Cholecystectomy	43	4.7	2.9	*	4.7	5.1	*	4.7	6.7	*
Hysterectomy	6	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	182
Occupancy Rate	82
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	156
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	0
Registered Nurses	114
Licensed Practical Nurses	28

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST ANNES HOSPITAL CORPORATION

Medicare Provider Number: 220020

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,799	12.3	11.5	0.9	19.5	17.6	1.5	23.8	22.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	74	33.8	23.3	6.5	40.5	27.5	8.3	43.2	31.2	7.2
Congestive Heart Failure	112	21.4	18.4	4.9	33.9	27.8	5.4	41.1	35.1	5.8
Pneumonia/Influenza	92	13.0	19.4	5.1	23.9	25.8	4.7	27.2	30.9	5.5
Chronic Obstructive Pulmonary Disease	26	15.4	6.1	*	23.1	11.6	*	23.1	16.5	*
Transient Cerebral Ischemia	31	0.0	2.5	*	9.7	6.0	*	9.7	9.6	*
Stroke	78	25.6	20.2	6.1	35.9	27.4	7.7	38.5	32.1	6.9
Hip Fracture	39	7.7	6.6	*	17.9	11.9	*	20.5	15.4	*
Sepsis	32	31.3	35.0	*	40.6	42.8	*	43.8	49.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	2.6	*	8.3	4.6	*	8.3	6.6	*
Carotid Endarterectomy	2	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
Hip Replacement/Reconstruction	5	0.0	1.1	*	0.0	2.0	*	0.0	2.7	*
Open Reduction of Hip Fracture	27	7.4	5.5	*	18.5	10.6	*	22.2	14.2	*
Prostatectomy	53	0.0	0.7	*	0.0	1.7	*	0.0	2.9	*
Cholecystectomy	37	2.7	3.3	*	5.4	6.0	*	8.1	8.1	*
Hysterectomy	4	0.0	0.5	*	0.0	0.7	*	0.0	0.9	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,735	11.0	11.1	0.8	16.5	16.6	0.9	21.0	21.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	88	31.8	26.5	6.3	40.9	30.1	7.3	44.3	33.7	7.4
Congestive Heart Failure	118	14.4	16.2	3.8	22.0	24.6	5.0	30.5	31.4	4.6
Pneumonia/Influenza	60	15.0	17.5	5.3	20.0	23.7	5.9	21.7	28.8	7.6
Chronic Obstructive Pulmonary Disease	24	8.3	7.9	*	20.8	13.6	*	25.0	18.4	*
Transient Cerebral Ischemia	48	2.1	2.0	*	4.2	4.3	*	4.2	6.8	*
Stroke	81	19.8	20.2	4.8	21.0	26.9	7.0	27.2	31.4	7.0
Hip Fracture	26	3.8	6.4	*	3.8	11.7	*	7.7	15.4	*
Sepsis	24	16.7	31.1	*	16.7	40.0	*	16.7	47.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	4.6	*	9.1	8.1	*	18.2	10.9	*
Carotid Endarterectomy	1	0.0	1.9	*	0.0	3.8	*	0.0	6.0	*
Hip Replacement/Reconstruction	17	5.9	2.5	*	5.9	4.5	*	5.9	5.9	*
Open Reduction of Hip Fracture	13	7.7	5.8	*	7.7	11.8	*	7.7	16.2	*
Prostatectomy	49	0.0	1.1	*	0.0	2.6	*	0.0	4.2	*
Cholecystectomy	47	2.1	2.1	*	2.1	3.7	*	4.3	4.8	*
Hysterectomy	7	0.0	3.7	*	14.3	6.4	*	14.3	8.5	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

315.1

St. Anne's Hospital, 795 Middle Street, Fall River, MA 02721 1798, (508) 674-5741

January 10, 1991

Attn: Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Thank you for allowing St. Anne's Hospital to respond to H.C.F.A.'s release of mortality data for the fiscal years 1987, 1988, and 1989. St. Anne's Hospital is an institution committed to both providing and monitoring quality of care and appreciates the H.C.F.A.'s efforts to make such information available to the consumers of health services. As in the past, however, I recommend that readers place the data into proper perspective with the knowledge that the data which is available to H.C.F.A. do not always allow for totally accurate measurement of patient characteristics which could have a large impact on the expected mortality rate. The comments presented below relate first to discrepancies in H.C.F.A.'s data followed by comments regarding this hospital's continual monitoring of quality of care provided.

H.C.F.A listed 32 deaths under the condition pneumonia/influenza. Our assessment of this data revealed:

1. That 5 of the 32 patients identified were beyond the 180 day time limit. This included patients who expired 11 months, 10 months (2), 7 months, and one year following admission.

2. That 2 of these patients had cancer.

3. That 5 patients were transferred back to nursing homes following the admission.

In reference to the long term data: Long term mortality is difficult to interpret and raises the possibility that factors outside and beyond the control of the hospital may have contributed to a person's death. This hospital responds to the need for provision of services on discharge through its discharge planning staff. High risk screening is performed daily in order to immediately identify those patients who could potentially be in greatest need of continued care on discharge. Additionally, patients requiring services are contacted shortly after discharge to assure realization, timeliness, and satisfaction with services with intervention

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applied where necessary.

At this point, it is important to emphasize that the use of mortality does not, in itself, provide measure of quality but is instrumental in guiding quality assurance efforts. Our quality assurance staff reviews patient records on a daily basis using many criteria, including mortality, that reflect current professional standards of care that are in compliance with the Joint Commission on Accreditation of Health Care Organizations (J.C.A.H.O.), the Peer Review Organization (PRO), of the Massachusetts Medical Society, and other regulatory agencies. Additionally, our Medical Staff departments meet monthly to evaluate patient outcomes.

This rigorous mechanism of constant review and evaluation allows us to identify specific areas on which to focus more detailed review and to maintain the high standards of care that we constantly strive to achieve.

In closing, please allow me to again thank you for the opportunity to review and comment on our mortality data.

Sincerely,

Paul M. Connolly

Paul M. Connolly
Acting President/CEO

PMC/ic

ST ELIZABETHS HOSPITAL

736 Cambridge St
Brighton, MA 02135

Medicare Provider Number: 220036

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,818	9.0	10.8	0.7	14.7	16.9	0.7	18.9	21.5	0.8
CONDITIONS:										
Acute Myocardial Infarction	52	34.6	29.7	9.4	38.5	33.9	8.5	40.4	37.6	8.8
Congestive Heart Failure	150	8.0	17.5	4.2	17.3	26.9	4.5	26.7	34.3	4.4
Pneumonia/Influenza	160	16.9	20.7	4.1	26.2	27.7	3.6	31.3	33.1	3.9
Chronic Obstructive Pulmonary Disease	26	7.7	6.3	*	15.4	12.2	*	15.4	17.5	*
Transient Cerebral Ischemia	42	2.4	2.3	*	2.4	5.4	*	4.8	8.7	*
Stroke	91	15.4	21.8	7.7	23.1	29.9	8.9	28.6	34.7	8.0
Hip Fracture	67	6.0	7.8	3.9	11.9	13.9	5.2	14.9	18.1	5.9
Sepsis	40	27.5	28.7	*	35.0	38.8	*	42.5	45.5	*
PROCEDURES:										
Angioplasty	28	0.0	1.6	*	0.0	2.3	*	0.0	3.2	*
Coronary Artery Bypass Graft	104	5.8	6.0	2.7	8.7	8.8	3.0	9.6	10.4	3.1
Initial Pacemaker Insertion	11	0.0	2.1	*	0.0	4.2	*	9.1	6.2	*
Carotid Endarterectomy	8	0.0	1.1	*	0.0	2.1	*	0.0	3.1	*
Hip Replacement/Reconstruction	33	3.0	2.5	*	6.1	5.1	*	12.1	7.1	*
Open Reduction of Hip Fracture	37	8.1	7.3	*	10.8	13.7	*	10.8	18.1	*
Prostatectomy	89	0.0	0.9	1.2	0.0	2.2	2.1	1.1	3.7	2.6
Cholecystectomy	30	10.0	2.4	*	13.3	4.2	*	13.3	5.4	*
Hysterectomy	22	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	350
Occupancy Rate	87
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	289
Percent of Physicians Board Certified Specialists	78
Medical Residents/Interns	121
Registered Nurses	454
Licensed Practical Nurses	8

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ST ELIZABETHS HOSPITAL

Medicare Provider Number: 220036

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,604	9.2	11.5	0.7	15.4	17.8	0.8	19.6	22.4	0.9
CONDITIONS:										
Acute Myocardial Infarction	71	25.4	31.2	6.4	25.4	34.8	7.3	25.4	38.6	9.7
Congestive Heart Failure	136	13.2	20.4	5.0	21.3	30.9	5.4	27.9	38.7	6.0
Pneumonia/Influenza	172	19.8	26.3	4.8	29.7	34.8	4.4	34.3	40.6	4.8
Chronic Obstructive Pulmonary Disease	14	14.3	8.9	*	14.3	14.1	*	21.4	18.5	*
Transient Cerebral Ischemia	35	0.0	2.5	*	0.0	5.3	*	2.9	8.2	*
Stroke	80	17.5	21.1	5.7	22.5	28.9	8.6	28.7	33.8	8.2
Hip Fracture	70	2.9	8.2	5.1	12.9	15.1	5.6	17.1	19.5	5.1
Sepsis	27	29.6	29.1	*	40.7	40.3	*	48.1	48.0	*
PROCEDURES:										
Angioplasty	30	0.0	3.6	*	3.3	4.4	*	3.3	5.3	*
Coronary Artery Bypass Graft	71	7.0	6.3	2.9	7.0	8.8	3.5	7.0	10.5	4.3
Initial Pacemaker Insertion	13	0.0	3.6	*	7.7	6.5	*	15.4	9.4	*
Carotid Endarterectomy	11	9.1	1.3	*	9.1	2.4	*	9.1	3.4	*
Hip Replacement/Reconstruction	35	0.0	4.3	*	5.7	8.3	*	5.7	11.0	*
Open Reduction of Hip Fracture	37	0.0	7.4	*	10.8	14.4	*	16.2	19.1	*
Prostatectomy	76	2.6	1.3	1.7	3.9	3.2	2.4	6.6	5.3	3.6
Cholecystectomy	29	0.0	4.8	*	0.0	8.6	*	0.0	11.2	*
Hysterectomy	17	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,463	9.9	11.9	1.0	17.1	18.2	1.1	21.6	22.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	77	37.7	33.0	8.5	39.0	36.8	8.5	44.2	40.5	8.4
Congestive Heart Failure	135	12.6	19.6	5.3	24.4	29.4	4.9	31.1	37.1	5.3
Pneumonia/Influenza	139	17.3	21.7	5.7	28.1	28.9	5.0	34.5	34.4	4.0
Chronic Obstructive Pulmonary Disease	13	7.7	10.4	*	38.5	18.1	*	38.5	24.7	*
Transient Cerebral Ischemia	21	0.0	2.2	*	0.0	4.8	*	4.8	7.5	*
Stroke	86	24.4	21.2	5.1	36.0	28.7	6.9	41.9	33.2	7.6
Hip Fracture	68	7.4	8.1	3.4	10.3	14.6	5.4	10.3	18.8	7.4
Sepsis	22	40.9	35.5	*	45.5	45.7	*	54.5	51.8	*
PROCEDURES:										
Angioplasty	23	8.7	5.6	*	8.7	6.8	*	8.7	8.1	*
Coronary Artery Bypass Graft	69	5.8	6.9	3.3	5.8	9.4	4.3	5.8	10.6	4.8
Initial Pacemaker Insertion	7	0.0	3.6	*	0.0	6.6	*	14.3	9.0	*
Carotid Endarterectomy	9	0.0	1.4	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	36	0.0	3.5	*	0.0	6.8	*	2.8	9.3	*
Open Reduction of Hip Fracture	39	10.3	7.3	*	10.3	13.9	*	10.3	18.3	*
Prostatectomy	80	1.2	1.4	1.8	1.2	3.2	2.8	2.5	5.0	3.3
Cholecystectomy	25	4.0	2.5	*	8.0	4.4	*	8.0	5.8	*
Hysterectomy	17	0.0	0.7	*	0.0	1.6	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

317.1

St Elizabeth's Hospital
of Boston

736 Cambridge Street Boston, Massachusetts 02135 617/789-3000

Jan. 14, 1990

Gail R. Wilenski, Ph.D., Administrator
Health Care Financing Administration
Health Standards and Quality Program
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207 Hospital I.D. No. 220036

Dear Dr. Wilenski,

As you requested in your letter of December 6, St. Elizabeth's Hospital is providing comments on the HCFA mortality data for FY 1989.

Since the total deaths of Medicare patients from all causes fell within the predicted range, our review focused on general characteristics of patients who had died, with particular attention to the four who had a cholecystectomy. We chose this procedure for focus because the mortality rate in this category was higher than the HCFA model predicted, although the HCFA report noted that the number of cases was too small to permit a satisfactory estimation of the standard deviation. Our records indicate that three of these four patients were admitted for medical reasons and in the course of their workup had complications which required emergency surgery. These patients had concomitant medical problems which put them at high risk. The fourth patient was the only one who had elective surgery. This patient also had a complicating medical problems.

We are taking this opportunity to emphasize the importance, in releasing hospital-specific mortality data, of focusing attention on the major problems which affect the interpretation of reported mortality rates:

- The hospitals lack information on patients who died after discharge, making it impossible to verify the reported data. We have no way to verify the cause of those deaths, which could well be unrelated to the condition for which a patient was hospitalized or to quality of the care received in the hospital. They could have occurred from other causes during management of the patient at home or in a post acute treatment facility. Approximately 15% of the deaths included with St. Elizabeth's Hospital data fall into the category of post-discharge deaths within 30 days of admission.

- This study attempts to assess the relationship between important patient characteristics and the risk of death. However, data are not available to assess the relative risk of death associated with such critical factors as the stage and severity of the patient's illness, his/her health status and psychological condition, or family support.

- Since mortality rates for Medicare patients differ substantially from that of other age groups no inference can be made from these data regarding the mortality rates for non-Medicare patients. In interpreting the Medicare mortality rates it is significant to note in interpreting that:
  - Our average Medicare patient age at death was 80.0.
  - Of patients who died, 47% came through the Emergency Room, 9% were transferred from other acute care hospitals, and 26% were transferred from Nursing Homes. These groups combined account for 82% of all Medicare deaths.

St. Elizabeth's Hospital Role. St. Elizabeth's Hospital plays a major role in medical education and bio-medical research as a university medical center of Tufts University School of Medicine. The Hospital offers a broad range of specialty services which attract high risk geriatric patients. These include referral programs in Cardiology/Cardiothoracic Surgery, Respiratory Disease, Gastroenterology, Neurology, Hematology/Oncology and End State Renal Disease. St. Elizabeth's has a Center of Excellence in Gerontology. It is a referral hospital for the Good Samaritan Hospice, a fact which is particularly significant in interpreting mortality statistics which include post hospital deaths within 30, 90 and 180 days of admission.

Quality Assurance. St. Elizabeth's Hospital's principal goal is to provide high quality patient care. Effort directed to this end include physician review of all deaths, focusing on unexpected deaths; regular meetings of all clinical and ancillary departments which routinely address patient care issues; and Medical Staff committees focused on the quality of patient care. The Department of Quality Assurance provides an ongoing system of collecting and evaluating information about important aspects of patient care. Toward this goal, all areas involved in the delivery of patient care services and outcomes are evaluated to insure that standards and guidelines comply with rules and regulations of the professional staffs. Problems identified and recommendations for corrective action are referred to the Medical Peer Review Committee, the Hospital President and the Board of Trustees.

Thank you for the opportunity to comments on these data. If there are any questions, please call Mrs. Marie Barry at (617)789-2443.

Sincerely,

Theodore J. Druhot
President

HCFAM9

ST JOHNS HOSPITAL

1 Hospital Dr
Lowell, MA 01852

Medicare Provider Number: 220082

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,891	9.9	10.3	0.8	16.8	15.7	0.9	21.5	19.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	69	29.0	27.5	5.6	39.1	31.3	6.6	44.9	34.9	7.2
Congestive Heart Failure	139	12.9	15.8	4.5	23.0	24.3	3.9	32.4	31.2	4.3
Pneumonia/Influenza	112	17.9	17.3	3.7	27.7	23.8	6.1	32.1	28.6	7.5
Chronic Obstructive Pulmonary Disease	42	7.1	7.1	*	9.5	12.6	*	14.3	17.2	*
Transient Cerebral Ischemia	30	0.0	2.1	*	0.0	4.8	*	3.3	7.7	*
Stroke	71	18.3	21.3	6.7	26.8	28.1	7.3	29.6	32.5	6.2
Hip Fracture	41	9.8	7.2	*	17.1	12.9	*	22.0	16.7	*
Sepsis	24	25.0	25.2	*	45.8	32.8	*	45.8	38.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.5	*	0.0	6.8	*	0.0	10.0	*
Carotid Endarterectomy	8	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	18	0.0	3.5	*	0.0	6.5	*	5.6	8.6	*
Open Reduction of Hip Fracture	27	11.1	6.7	*	18.5	12.6	*	22.2	16.5	*
Prostatectomy	62	0.0	1.7	2.8	1.6	4.1	4.5	6.5	6.7	4.1
Cholecystectomy	24	0.0	2.0	*	0.0	3.4	*	0.0	4.5	*
Hysterectomy	13	0.0	0.5	*	7.7	1.1	*	7.7	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	254
Occupancy Rate	67
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST JOHNS HOSPITAL

Medicare Provider Number: 220082

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,901	10.2	10.4	0.8	17.2	15.9	1.0	21.8	20.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	81	30.9	27.6	6.6	34.6	31.1	8.4	39.5	34.7	9.3
Congestive Heart Failure	124	15.3	17.4	3.7	29.0	26.8	4.3	37.9	34.3	5.8
Pneumonia/Influenza	123	13.8	17.7	4.0	25.2	24.0	4.1	28.5	28.7	4.1
Chronic Obstructive Pulmonary Disease	42	4.8	8.1	*	9.5	14.9	*	11.9	20.6	*
Transient Cerebral Ischemia	34	2.9	2.4	*	8.8	5.2	*	14.7	8.0	*
Stroke	58	15.5	22.4	8.2	25.9	29.6	6.8	32.8	34.2	6.4
Hip Fracture	51	0.0	7.5	5.0	3.9	13.3	7.0	5.9	17.0	7.7
Sepsis	24	33.3	23.4	*	37.5	30.7	*	37.5	36.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	4.8	7.2	*	9.5	11.2	*	14.3	15.0	*
Carotid Endarterectomy	8	0.0	1.5	*	0.0	2.6	*	0.0	3.9	*
Hip Replacement/Reconstruction	17	5.9	3.4	*	5.9	6.6	*	5.9	8.9	*
Open Reduction of Hip Fracture	34	0.0	6.7	*	5.9	12.2	*	8.8	15.7	*
Prostatectomy	44	0.0	1.3	*	2.3	3.2	*	2.3	5.2	*
Cholecystectomy	29	3.4	3.5	*	3.4	6.4	*	6.9	8.2	*
Hysterectomy	10	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,820	10.9	10.4	0.8	16.0	15.9	1.0	20.7	20.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	76	27.6	26.8	5.2	30.3	31.0	5.6	35.5	34.7	6.2
Congestive Heart Failure	122	19.7	19.1	4.5	27.0	29.2	5.2	36.1	36.8	6.3
Pneumonia/Influenza	106	21.7	17.8	5.2	28.3	23.9	5.1	30.2	28.7	4.5
Chronic Obstructive Pulmonary Disease	29	3.4	7.7	*	3.4	14.0	*	10.3	19.1	*
Transient Cerebral Ischemia	30	0.0	2.1	*	3.3	4.5	*	6.7	7.1	*
Stroke	74	21.6	24.2	6.0	32.4	31.6	7.5	35.1	36.1	5.7
Hip Fracture	55	10.9	7.5	6.1	16.4	13.2	6.2	16.4	16.8	6.5
Sepsis	29	37.9	25.7	*	37.9	32.6	*	41.4	38.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	21	4.8	3.3	*	4.8	6.6	*	14.3	9.8	*
Carotid Endarterectomy	10	0.0	1.7	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	26	0.0	5.3	*	7.7	10.2	*	11.5	13.4	*
Open Reduction of Hip Fracture	26	15.4	6.9	*	19.2	12.6	*	19.2	16.2	*
Prostatectomy	63	0.0	1.0	1.5	0.0	2.2	3.0	3.2	3.6	2.8
Cholecystectomy	32	3.1	3.2	*	9.4	5.9	*	15.6	7.9	*
Hysterectomy	8	12.5	0.6	*	25.0	1.3	*	25.0	2.0	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

319.1

St. John's Hospital

January 8, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

ATTENTION: Mrs. Sandra K. Kappert

RE : St. John's Hospital, Lowell, MA
Response to Medicare Mortality Data

St. John's Hospital is a 246 bed community hospital delivering quality patient care to primarily Medical/Surgical patients. Over the last year, the hospital has seen a rise in its Medicare population from 47.6% in 1988 with an average age of 75.5 years to 51.24% in 1989 with an average age of 76.0 years.

The Board of Trustees, Administration, and the Medical Staff of St. John's Hospital are committed to the delivery of quality patient care. St. John's maintains an active staff of over 140 physicians, of whom 105 are Board Certified, and has been able to maintain its own adequate professional nurse staffing pattern.

Significant changes in methodology used by Health Care Financing Administration in preparation of mortality data, provides the hospital with more detailed information about its Medicare population. St. John's is pleased to comment on its mortality data as the percent of death in each category substantiates the commitment to the deliverance of quality patient care.

Review and Analysis of St. John's Hospital mortality data reveals that there are no meaningful differences between the observed and predicted mortality rates. Out of the 17 listed categories of patient conditions and procedures, specific data released for St. John's Hospital is as follows; 10 of the categories did not have enough patient deaths to be of any statistical significance. In two categories, St. John's had no patient deaths (the procedures are not performed in this facility), and in the remaining 5 categories the death rate is acceptable.

- CONTINUED -

HOSPITAL DRIVE, P.O. BOX 30, LOWELL, MASSACHUSETTS 01853 AREA CODE 508-458-1411

St. John's Hospital again wishes to take exception to the release of this data to the general public. Although the methodology has been modified again this year, the hospital remains convinced that this is not a valid indicator as to the quality of patient care rendered within any institution.

Sincerely,

George Koller
Acting President

CC:
Dr. O'Connor, Medical Director
Dr. M. Newman, President Medical Staff
Rodney Huebbers, Vice President Operations
George Behrakis, Chairman of Board

ST JOSEPHS HOSPITAL

220 Pautucket St
Lowell, MA 01854

Medicare Provider Number: 220045

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,166	8.1	9.1	1.6	14.5	14.2	2.1	17.4	18.2	1.7
CONDITIONS:										
Acute Myocardial Infarction	38	18.4	26.0	*	23.7	29.5	*	23.7	32.9	*
Congestive Heart Failure	73	9.6	16.2	5.0	13.7	24.7	6.7	17.8	31.6	7.7
Pneumonia/Influenza	40	12.5	19.4	*	22.5	25.9	*	27.5	30.9	*
Chronic Obstructive Pulmonary Disease	28	3.6	7.6	*	14.3	14.0	*	17.9	19.7	*
Transient Cerebral Ischemia	24	4.2	1.7	*	12.5	3.6	*	12.5	5.6	*
Stroke	44	27.3	21.2	*	36.4	27.7	*	38.6	32.0	*
Hip Fracture	39	2.6	5.9	*	5.1	10.9	*	10.3	14.4	*
Sepsis	8	12.5	22.9	*	12.5	28.5	*	12.5	33.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	16.0	*	40.0	24.8	*	60.0	30.8	*
Carotid Endarterectomy	7	0.0	1.5	*	0.0	3.0	*	14.3	4.5	*
Hip Replacement/Reconstruction	10	10.0	4.5	*	10.0	8.8	*	20.0	12.0	*
Open Reduction of Hip Fracture	23	0.0	5.5	*	4.3	10.6	*	8.7	14.2	*
Prostatectomy	41	2.4	1.6	*	4.9	3.7	*	4.9	5.9	*
Cholecystectomy	15	0.0	1.8	*	0.0	3.5	*	0.0	4.7	*
Hysterectomy	5	0.0	0.6	*	0.0	1.6	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	158
Occupancy Rate	71
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	101
Percent of Physicians Board Certified Specialists	72
Medical Residents/Interns	0
Registered Nurses	163
Licensed Practical Nurses	46

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST JOSEPHS HOSPITAL

Medicare Provider Number: 220045

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,286	11.4	10.2	1.1	17.7	15.4	1.6	21.4	19.6	1.6
CONDITIONS:										
Acute Myocardial Infarction	47	34.0	28.6	*	34.0	31.7	*	36.2	35.3	*
Congestive Heart Failure	75	21.3	17.5	4.8	37.3	26.5	7.5	42.7	33.7	7.1
Pneumonia/Influenza	46	15.2	18.4	*	23.9	24.8	*	26.1	29.5	*
Chronic Obstructive Pulmonary Disease	19	15.8	8.0	*	21.1	14.9	*	26.3	21.1	*
Transient Cerebral Ischemia	21	4.8	2.5	*	9.5	5.7	*	9.5	9.2	*
Stroke	56	25.0	20.0	6.9	28.6	26.2	6.3	32.1	30.5	6.5
Hip Fracture	26	3.8	6.2	*	11.5	11.6	*	15.4	15.3	*
Sepsis	17	29.4	31.5	*	47.1	39.5	*	47.1	45.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	8.9	*	16.7	12.7	*	16.7	16.0	*
Carotid Endarterectomy	6	0.0	1.4	*	0.0	2.8	*	0.0	4.3	*
Hip Replacement/Reconstruction	14	0.0	4.0	*	7.1	8.0	*	7.1	10.9	*
Open Reduction of Hip Fracture	14	7.1	6.0	*	14.3	11.7	*	21.4	15.8	*
Prostatectomy	40	2.5	1.3	*	2.5	3.1	*	2.5	5.3	*
Cholecystectomy	10	0.0	1.5	*	0.0	2.7	*	0.0	3.5	*
Hysterectomy	6	16.7	2.6	*	16.7	3.8	*	16.7	5.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,284	12.1	9.7	1.1	18.0	15.0	1.4	22.3	19.2	1.5
CONDITIONS:										
Acute Myocardial Infarction	48	33.3	28.1	*	37.5	31.4	*	41.7	34.6	*
Congestive Heart Failure	81	21.0	18.1	5.4	27.2	27.5	5.2	34.6	34.9	5.7
Pneumonia/Influenza	36	30.6	22.9	*	36.1	29.9	*	41.7	35.0	*
Chronic Obstructive Pulmonary Disease	21	14.3	10.1	*	33.3	18.8	*	33.3	25.5	*
Transient Cerebral Ischemia	16	12.5	1.8	*	12.5	4.1	*	12.5	6.6	*
Stroke	42	31.0	24.4	*	38.1	30.9	*	40.5	35.4	*
Hip Fracture	43	16.3	5.4	*	20.9	10.0	*	23.3	13.2	*
Sepsis	20	30.0	30.1	*	40.0	38.5	*	45.0	45.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	3.3	*	0.0	7.0	*	0.0	10.5	*
Carotid Endarterectomy	8	0.0	1.8	*	0.0	3.4	*	0.0	4.8	*
Hip Replacement/Reconstruction	25	8.0	3.6	*	12.0	7.3	*	12.0	10.2	*
Open Reduction of Hip Fracture	19	10.5	4.7	*	15.8	8.9	*	21.1	11.7	*
Prostatectomy	36	2.8	1.4	*	8.3	3.5	*	13.9	6.1	*
Cholecystectomy	7	0.0	2.3	*	0.0	3.7	*	14.3	4.4	*
Hysterectomy	10	0.0	0.6	*	0.0	1.3	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST LUKES HEALTHCARE INC

101 Page Street
New Bedford, MA 02740

Medicare Provider Number: 220021

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	4,197	10.7	9.9	0.7	16.1	14.8	0.9	19.8	18.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	186	27.4	27.8	3.6	31.7	31.2	3.4	33.3	34.5	3.6
Congestive Heart Failure	322	15.2	15.6	2.1	26.7	24.0	3.4	32.3	30.8	2.9
Pneumonia/Influenza	255	15.3	18.2	5.1	22.0	24.3	5.5	26.7	29.2	5.1
Chronic Obstructive Pulmonary Disease	10	0.0	10.7	*	0.0	17.5	*	10.0	23.2	*
Transient Cerebral Ischemia	83	1.2	2.0	2.6	7.2	4.4	3.5	12.0	7.1	5.2
Stroke	192	26.0	23.1	4.1	32.8	30.0	6.1	37.0	34.5	4.9
Hip Fracture	92	6.5	7.4	4.0	8.7	13.1	7.1	13.0	16.7	6.7
Sepsis	34	23.5	26.9	*	41.2	34.5	*	41.2	40.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	36	5.6	3.6	*	11.1	6.6	*	16.7	9.5	*
Carotid Endarterectomy	7	14.3	1.8	*	14.3	3.8	*	14.3	5.8	*
Hip Replacement/Reconstruction	53	5.7	3.9	3.0	5.7	7.5	3.9	7.5	10.1	4.6
Open Reduction of Hip Fracture	37	5.4	7.6	*	8.1	13.9	*	10.8	17.9	*
Prostatectomy	138	0.0	0.8	*	0.7	1.9	*	0.7	3.2	*
Cholecystectomy	65	1.5	2.0	1.8	4.6	3.3	2.5	4.6	4.4	2.6
Hysterectomy	24	0.0	0.7	*	0.0	1.4	*	0.0	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	475
Occupancy Rate	88
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	137
Percent of Physicians Board Certified Specialists	81
Medical Residents/Interns	0
Registered Nurses	384
Licensed Practical Nurses	158

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST LUKES HEALTHCARE INC

Medicare Provider Number: 220021

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,380	10.8	10.2	0.7	16.1	15.2	0.7	20.0	19.0	0.7
CONDITIONS:										
Acute Myocardial Infarction	200	33.0	29.9	5.0	37.5	33.4	4.9	39.5	36.9	4.2
Congestive Heart Failure	277	15.5	16.6	2.8	24.9	25.1	3.9	33.9	32.1	3.3
Pneumonia/Influenza	242	16.5	19.7	3.2	21.1	26.1	4.3	24.8	31.1	4.5
Chronic Obstructive Pulmonary Disease	28	3.6	8.0	*	7.1	13.1	*	7.1	18.0	*
Transient Cerebral Ischemia	70	0.0	2.1	2.5	2.9	4.7	3.0	4.3	7.4	4.2
Stroke	182	22.5	23.2	3.2	32.4	30.4	3.9	38.5	35.0	4.9
Hip Fracture	104	6.7	8.1	3.1	13.5	14.6	3.6	18.3	18.7	3.9
Sepsis	27	33.3	28.4	*	40.7	37.2	*	44.4	43.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	45	0.0	5.6	*	6.7	9.1	*	11.1	12.4	*
Carotid Endarterectomy	7	14.3	1.3	*	14.3	2.5	*	14.3	3.7	*
Hip Replacement/Reconstruction	62	0.0	4.1	3.5	6.5	8.1	5.2	9.7	10.9	6.3
Open Reduction of Hip Fracture	37	8.1	7.4	*	10.8	13.9	*	16.2	18.1	*
Prostatectomy	142	0.7	0.8	0.8	1.4	1.8	1.3	2.8	3.0	2.2
Cholecystectomy	68	1.5	2.3	1.9	2.9	4.2	2.9	5.9	5.6	3.3
Hysterectomy	20	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,998	10.5	10.2	0.5	15.8	15.2	0.7	19.5	19.2	0.8
CONDITIONS:										
Acute Myocardial Infarction	155	26.5	29.8	5.6	31.0	33.0	5.2	34.2	36.3	4.4
Congestive Heart Failure	276	13.8	17.8	4.9	24.3	26.6	4.9	31.5	33.6	4.3
Pneumonia/Influenza	162	17.3	19.0	4.2	25.3	25.3	5.3	29.0	30.3	4.0
Chronic Obstructive Pulmonary Disease	26	7.7	10.8	*	7.7	18.0	*	11.5	23.0	*
Transient Cerebral Ischemia	61	3.3	2.2	2.1	3.3	4.7	3.1	6.6	7.5	3.8
Stroke	187	21.4	22.5	5.2	27.8	29.3	5.0	31.0	33.7	5.6
Hip Fracture	98	6.1	7.5	3.0	13.3	13.4	3.5	20.4	17.2	4.9
Sepsis	32	18.8	21.0	*	21.9	28.9	*	25.0	34.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	41	4.9	5.8	*	12.2	10.4	*	17.1	14.1	*
Carotid Endarterectomy	2	0.0	0.9	*	0.0	1.5	*	0.0	2.2	*
Hip Replacement/Reconstruction	63	3.2	4.5	2.8	6.3	8.6	4.6	14.3	11.4	5.4
Open Reduction of Hip Fracture	35	2.9	7.3	*	17.1	13.8	*	20.0	17.9	*
Prostatectomy	143	0.7	0.9	0.9	2.1	2.3	1.3	3.5	3.8	1.8
Cholecystectomy	58	3.4	1.5	2.3	3.4	2.6	2.8	5.2	3.4	3.5
Hysterectomy	23	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

323.1

Saint Luke's Hospital of New Bedford, Inc.

101 PAGE STREET, P.O. BOX H-3003, NEW BEDFORD, MA 02741-3003 508-997-1515

COMMENTS ON THE HCFA MORTALITY RATE DATA

The following information is in response to the Health Care Financing Administration's data of mortality rates during fiscal year 1989 for St. Luke's Hospital of New Bedford, Inc., in New Bedford Massachusetts.

It is divided into the following sections:

. Accuracy and limitations of the HCFA data.

. Ongoing quality assurance activities at St. Luke's Hospital.

. Corrections

ACCURACY AND LIMITATIONS OF HCFA DATA

HCFA's report on mortality rates does not provide adequate data, medical review or specialized interpretation to be useful as a quality assurance guide or as a measurement of a hospital's performance. Limitations of the data most notably include the absence of any measurements of the severity of illness at the time of admission which is an extremely important indicator of a patient's prognosis and is particularly important when treating a large number of patients 75 years of age and older. The HCFA data is also not reflective of any care provided by the hospital, because death could have resulted from a cause unrelated to the hospital admission.

The HCFA data assumes that each hospital's patients is equal in terms of the level of illness. The data does not consider severity of illness or account for a patient's condition at discharge. For example St. Luke's has an 18-bed oncology unit where many patients are being treated for end-stage diseases. St. Luke's also operates a growing Hospice program which provides special care for terminally ill patients in their own homes. These factors bear significance when examining the number of cancer deaths after hospital discharge.

St. Luke's is also the sole provider of acute care services in its area and has an extremely large percentage of patients 75 years of age and older. Nearly half of all St. Luke's patients are Medicare recipients.

Other services typically offered to the elderly include inpatient dialysis and the care of the acute stroke patient. Such services tend to attract patients who are more seriously ill.

QUALITY ASSURANCE AT ST. LUKE'S HOSPITAL

While St. Luke's is committed to providing quality care and has long considered mortality review as part of its regular quality assurance program, mortality rates, by themselves, do not measure quality and can only be used as a tool in the quality assurance process which requires review by medical professionals.

Through accreditation by the Joint Commission on the Accreditation of Healthcare Organizations, a national and voluntary accreditation process, the hospital insures that the highest standards are met in delivering patient care and providing a comprehensive quality assurance program. In addition the hospital is licensed by the Commonwealth of Massachusetts which also mandates quality assurance programs.

St. Luke's quality assurance process starts early during a patient's hospital stay and monitors and evaluates every aspect of patient care, including unexpected occurrences, such as infection and early discharges, as well as unexpected deaths.

CORRECTIONS

The legal name for the institution is Saint Luke's Hospital of New Bedford, not St. Luke's Healthcare as used in the HCFA report.

The number of active and courtesy members of the medical staff is 160, not 137. The number of registered nurses is 434, not 384.

ST LUKES HOSPITAL OF MIDDLEBOROUGH

52 Oak St
Middleboro, MA 02346

Medicare Provider Number: 220129

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	628	13.4	9.1	1.5	18.5	14.1	1.7	20.7	18.0	1.7
CONDITIONS:										
Acute Myocardial Infarction	25	40.0	22.9	*	40.0	26.0	*	44.0	29.3	*
Congestive Heart Failure	36	13.9	14.8	*	22.2	23.4	*	27.8	30.5	*
Pneumonia/Influenza	32	31.3	16.2	*	37.5	22.0	*	37.5	26.5	*
Chronic Obstructive Pulmonary Disease	7	14.3	10.9	*	28.6	16.4	*	28.6	21.3	*
Transient Cerebral Ischemia	16	0.0	1.8	*	6.3	4.1	*	6.3	6.5	*
Stroke	23	21.7	17.8	*	21.7	24.5	*	21.7	29.0	*
Hip Fracture	24	12.5	6.0	*	20.8	11.2	*	20.8	14.8	*
Sepsis	9	11.1	24.6	*	22.2	31.1	*	22.2	36.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	3.4	*	14.3	7.1	*	14.3	11.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	10.0	4.9	*	20.0	9.7	*	20.0	13.3	*
Open Reduction of Hip Fracture	12	8.3	5.3	*	8.3	10.3	*	8.3	13.7	*
Prostatectomy	15	0.0	1.0	*	13.3	2.6	*	13.3	4.5	*
Cholecystectomy	5	0.0	0.7	*	0.0	1.4	*	0.0	1.9	*
Hysterectomy	3	0.0	0.7	*	0.0	1.7	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	66
Occupancy Rate	53
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	40
Percent of Physicians Board Certified Specialists	58
Medical Residents/Interns	0
Registered Nurses	32
Licensed Practical Nurses	25

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST LUKES HOSPITAL OF MIDDLEBOROUGH

Medicare Provider Number: 220129

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	647	9.9	9.3	2.1	15.9	14.3	2.4	19.9	18.5	2.2
CONDITIONS:										
Acute Myocardial Infarction	31	22.6	25.8	*	22.6	29.5	*	25.8	32.9	*
Congestive Heart Failure	46	10.9	16.3	*	23.9	25.6	*	30.4	33.0	*
Pneumonia/Influenza	36	13.9	17.0	*	22.2	23.1	*	22.2	27.8	*
Chronic Obstructive Pulmonary Disease	6	0.0	8.9	*	0.0	15.7	*	0.0	22.2	*
Transient Cerebral Ischemia	16	0.0	2.5	*	6.3	5.7	*	6.3	9.1	*
Stroke	20	30.0	22.8	*	45.0	29.3	*	55.0	33.7	*
Hip Fracture	13	7.7	5.7	*	15.4	10.4	*	15.4	13.5	*
Sepsis	15	26.7	24.0	*	40.0	30.2	*	46.7	36.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.6	*	0.0	3.4	*	0.0	5.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	2.6	*	0.0	4.8	*	0.0	6.1	*
Open Reduction of Hip Fracture	7	0.0	5.9	*	14.3	10.8	*	14.3	14.0	*
Prostatectomy	19	0.0	1.4	*	5.3	2.6	*	10.5	3.8	*
Cholecystectomy	7	0.0	3.4	*	0.0	7.1	*	14.3	10.2	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	651	9.5	9.7	1.7	14.3	14.5	1.8	18.6	18.4	1.6
CONDITIONS:										
Acute Myocardial Infarction	33	27.3	31.6	*	33.3	35.1	*	33.3	38.8	*
Congestive Heart Failure	32	9.4	14.0	*	18.8	21.6	*	18.8	28.0	*
Pneumonia/Influenza	24	8.3	13.5	*	8.3	19.1	*	16.7	23.4	*
Chronic Obstructive Pulmonary Disease	6	50.0	12.7	*	50.0	20.7	*	50.0	26.7	*
Transient Cerebral Ischemia	17	5.9	2.6	*	5.9	5.9	*	11.8	9.4	*
Stroke	26	23.1	18.8	*	34.6	25.4	*	34.6	29.7	*
Hip Fracture	19	5.3	6.8	*	15.8	12.4	*	21.1	16.2	*
Sepsis	9	22.2	32.0	*	22.2	40.8	*	22.2	47.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	3.3	*	0.0	7.3	*	7.7	11.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	3.6	*	0.0	7.4	*	0.0	10.1	*
Open Reduction of Hip Fracture	9	11.1	6.7	*	11.1	12.9	*	11.1	16.9	*
Prostatectomy	17	0.0	1.6	*	5.9	4.0	*	23.5	6.6	*
Cholecystectomy	8	0.0	1.2	*	0.0	2.2	*	0.0	2.9	*
Hysterectomy	5	0.0	1.5	*	0.0	3.3	*	0.0	4.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST MARGARETS HOSPITAL FOR WOMEN

90 Cushing Ave
Dorchester, MA 02122

Medicare Provider Number: 220102

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	8	0.0	0.8	*	0.0	2.0	*	0.0	3.3	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	3	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	114
Occupancy Rate	68
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	95
Percent of Physicians Board Certified Specialists	84
Medical Residents/Interns	20
Registered Nurses	191
Licensed Practical Nurses	10

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST MARGARETS HOSPITAL FOR WOMEN

Medicare Provider Number: 220102

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	19	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	9	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	22	0.0	0.8	*	0.0	1.6	*	0.0	2.4	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	11	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST VINCENT HOSPITAL

25 Winthrop Street
Worcester, MA 01604

Medicare Provider Number: 220028

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,835	8.7	9.2	0.5	14.1	14.1	0.6	18.4	17.8	0.7
CONDITIONS:										
Acute Myocardial Infarction	139	25.9	23.4	5.9	30.2	26.9	7.0	36.0	30.3	8.2
Congestive Heart Failure	163	12.9	15.2	3.5	23.3	23.0	3.3	31.9	29.8	3.8
Pneumonia/Influenza	156	14.1	18.7	5.0	23.7	25.6	4.5	30.1	30.7	3.8
Chronic Obstructive Pulmonary Disease	26	11.5	7.7	*	15.4	14.1	*	19.2	19.5	*
Transient Cerebral Ischemia	46	0.0	1.7	*	2.2	3.8	*	2.2	6.0	*
Stroke	120	15.8	19.0	5.9	23.3	25.4	6.4	28.3	29.7	4.7
Hip Fracture	97	8.2	7.0	2.8	9.3	12.3	4.2	13.4	15.7	4.5
Sepsis	35	31.4	25.7	*	34.3	32.7	*	37.1	38.2	*
PROCEDURES:										
Angioplasty	3	0.0	1.3	*	0.0	1.8	*	0.0	2.5	*
Coronary Artery Bypass Graft	45	4.4	4.4	*	4.4	6.4	*	4.4	7.7	*
Initial Pacemaker Insertion	33	0.0	3.2	*	0.0	6.2	*	0.0	9.2	*
Carotid Endarterectomy	21	4.8	1.3	*	4.8	2.3	*	9.5	3.4	*
Hip Replacement/Reconstruction	75	5.3	4.0	2.7	5.3	6.8	3.2	5.3	8.7	4.3
Open Reduction of Hip Fracture	34	5.9	6.5	*	5.9	11.9	*	11.8	15.3	*
Prostatectomy	152	1.3	0.9	0.9	3.3	2.2	1.5	4.6	3.6	2.3
Cholecystectomy	59	1.7	2.8	2.3	3.4	4.7	3.1	8.5	5.9	3.9
Hysterectomy	33	3.0	1.4	*	3.0	3.0	*	6.1	4.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	396
Occupancy Rate	77
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	396
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	45
Registered Nurses	359
Licensed Practical Nurses	66

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ST VINCENT HOSPITAL

Medicare Provider Number: 220028

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,121	9.7	8.0	0.5	15.1	12.6	0.6	19.4	16.3	0.6
CONDITIONS:										
Acute Myocardial Infarction	136	19.1	22.7	6.8	24.3	25.9	6.2	27.2	29.0	5.2
Congestive Heart Failure	185	21.1	15.4	4.1	28.6	24.1	4.2	37.8	31.3	4.9
Pneumonia/Influenza	194	20.6	16.4	3.6	29.4	22.7	4.9	35.6	27.6	5.8
Chronic Obstructive Pulmonary Disease	39	10.3	5.5	*	15.4	10.3	*	20.5	14.5	*
Transient Cerebral Ischemia	41	0.0	1.7	*	4.9	3.7	*	9.8	5.7	*
Stroke	138	19.6	18.6	3.8	27.5	26.0	4.2	34.1	30.9	6.1
Hip Fracture	108	12.0	5.4	3.4	22.2	10.0	5.8	23.1	13.0	5.4
Sepsis	47	14.9	20.4	*	21.3	27.4	*	25.5	32.9	*
PROCEDURES:										
Angioplasty	1	0.0	0.8	*	0.0	1.8	*	0.0	2.7	*
Coronary Artery Bypass Graft	8	0.0	5.0	*	0.0	6.4	*	0.0	7.3	*
Initial Pacemaker Insertion	29	0.0	3.7	*	3.4	6.2	*	6.9	8.7	*
Carotid Endarterectomy	24	0.0	1.1	*	0.0	2.0	*	0.0	2.8	*
Hip Replacement/Reconstruction	67	6.0	2.8	3.6	9.0	5.2	4.7	9.0	6.9	4.8
Open Reduction of Hip Fracture	49	8.2	5.2	*	18.4	10.0	*	20.4	13.1	*
Prostatectomy	151	2.6	0.9	1.1	6.0	2.3	1.8	6.6	3.9	2.1
Cholecystectomy	75	1.3	2.5	2.1	5.3	4.9	2.9	5.3	6.7	3.2
Hysterectomy	24	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,369	8.6	8.0	0.5	14.0	12.6	0.8	18.1	16.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	143	24.5	22.4	3.9	28.7	25.9	4.3	30.8	29.2	4.2
Congestive Heart Failure	170	21.8	14.9	3.8	32.9	23.2	5.0	41.8	30.1	5.7
Pneumonia/Influenza	133	15.0	15.6	3.2	24.1	22.0	4.0	27.8	26.9	4.1
Chronic Obstructive Pulmonary Disease	30	16.7	9.6	*	30.0	16.1	*	33.3	21.0	*
Transient Cerebral Ischemia	49	4.1	1.7	*	8.2	3.4	*	12.2	5.4	*
Stroke	145	14.5	17.8	4.3	22.8	24.8	4.8	27.6	29.1	4.5
Hip Fracture	78	6.4	4.9	3.0	11.5	9.2	3.8	15.4	12.3	7.0
Sepsis	30	20.0	19.8	*	26.7	26.5	*	33.3	31.8	*
PROCEDURES:										
Angioplasty	1	0.0	16.8	*	0.0	18.3	*	100.0	20.2	*
Coronary Artery Bypass Graft	8	0.0	5.0	*	0.0	6.2	*	0.0	7.0	*
Initial Pacemaker Insertion	28	0.0	2.4	*	3.6	4.8	*	3.6	7.1	*
Carotid Endarterectomy	14	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	55	3.6	3.1	2.6	7.3	5.8	3.4	9.1	7.8	4.2
Open Reduction of Hip Fracture	31	9.7	3.8	*	16.1	7.8	*	22.6	10.9	*
Prostatectomy	99	0.0	1.5	2.1	4.0	3.7	2.1	8.1	6.0	3.3
Cholecystectomy	56	0.0	3.9	*	0.0	6.5	*	0.0	8.3	*
Hysterectomy	26	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

329.1

SAINT ·V·I·N·C·E·N·T·
HEALTHCARE SYSTEM, INC.

January 15, 1991

Attn: Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We are pleased to have this opportunity to comment on the HCFA mortality data. In reviewing the data for FY-89, we find that patients cared for at Saint Vincent Hospital experienced a mortality rate that is equal to or less than the expected mortality range for each and every category. Although such data is obviously reassuring, the Department of Quality Management at Saint Vincent Hospital will continue to pursue our aggressive quality improvement program and monitor any changes in our internally computed mortality rates.

We believe that the HCFA data must be interpreted cautiously by both the public and hospitals alike. As an example, review of the data published last year on 1988 statistics, compared with the data published this year for the same time period, reveals that the data has been reformatted with a marked change in the resulting statistics (see accompanying table). The validity and significance of statistics which vary so markedly with little change in the methodology and predictive models are extremely problematic.

Therefore, it is important to review patterns of care over time and diseases and not focus on isolated numbers or years. As the science of outcome predication improves, so will our ability to use this information to further enhance the quality of the medical care our patients receive. Until then, we will continue to rely on the dedicated professionals in our quality management department to review, interpret, and act on all information related to the quality of care rendered at Saint Vincent Hospital.

Sincerely,

Denis J. FitzGerald, M.D.
Chief Executive Officer

TABLE I

	Cases	Mortality Rate %	Predicted Range %	SD
Calendar Year 1988 [Published 1990]	3,914	12	9-16	[Not Calculated]
FY 1988 [Published 1991]	4,121	9.7	8.0	0.5

STILLMAN INFIRMARY-HARVARD UNIVERSITY

75 Mt Auburn St
Cambridge, MA 02138

Medicare Provider Number: 220133

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	56	7.1	9.8	6.0	8.9	15.3	6.8	10.7	19.8	7.5
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	4	0.0	12.7	*	0.0	19.3	*	25.0	25.0	*
Pneumonia/Influenza	4	0.0	13.2	*	0.0	18.9	*	0.0	23.5	*
Chronic Obstructive Pulmonary Disease	1	0.0	4.1	*	0.0	7.8	*	0.0	11.2	*
Transient Cerebral Ischemia	0									
Stroke	4	25.0	23.8	*	25.0	30.8	*	25.0	35.9	*
Hip Fracture	1	0.0	8.7	*	0.0	18.0	*	0.0	25.1	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	34
Occupancy Rate	35
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	86
Percent of Physicians Board Certified Specialists	100
Medical Residents/Interns	0
Registered Nurses	17
Licensed Practical Nurses	0

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

STILLMAN INFIRMARY-HARVARD UNIVERSITY

Medicare Provider Number: 220133

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	78	3.8	6.8	4.2	6.4	11.9	5.4	7.7	16.6	6.1
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	2	50.0	9.5	*	50.0	15.0	*	50.0	20.3	*
Pneumonia/Influenza	8	0.0	12.8	*	0.0	17.3	*	0.0	21.0	*
Chronic Obstructive Pulmonary Disease	1	0.0	4.3	*	0.0	8.0	*	0.0	11.4	*
Transient Cerebral Ischemia	0									
Stroke	2	0.0	18.1	*	0.0	23.4	*	0.0	27.9	*
Hip Fracture	1	0.0	9.2	*	0.0	22.2	*	0.0	35.3	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	75	2.7	8.2	3.7	5.3	14.3	5.0	9.3	19.6	5.6
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	3	0.0	27.4	*	0.0	41.0	*	0.0	50.4	*
Pneumonia/Influenza	2	0.0	8.2	*	0.0	11.7	*	0.0	14.6	*
Chronic Obstructive Pulmonary Disease	1	0.0	15.7	*	0.0	24.1	*	100.0	30.3	*
Transient Cerebral Ischemia	1	0.0	3.0	*	0.0	6.8	*	0.0	11.3	*
Stroke	1	0.0	24.8	*	0.0	34.2	*	0.0	39.3	*
Hip Fracture	2	0.0	3.9	*	0.0	7.1	*	0.0	9.5	*
Sepsis	1	0.0	16.6	*	0.0	21.7	*	0.0	25.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

STURDY MEMORIAL HOSPITAL

211 Park Street
Attleboro, MA 02703

Medicare Provider Number: 220008

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,561	10.1	10.5	0.8	16.1	15.9	1.2	20.9	20.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	56	42.9	27.2	8.7	42.9	30.7	9.1	42.9	34.0	10.1
Congestive Heart Failure	94	11.7	15.7	7.4	20.2	24.2	9.7	26.6	31.2	8.7
Pneumonia/Influenza	56	21.4	19.1	5.5	33.9	26.0	8.3	39.3	31.3	8.4
Chronic Obstructive Pulmonary Disease	24	16.7	10.6	*	20.8	16.2	*	20.8	21.2	*
Transient Cerebral Ischemia	24	4.2	1.7	*	8.3	3.7	*	8.3	5.9	*
Stroke	88	17.0	18.5	4.2	25.0	25.3	6.5	34.1	29.7	6.4
Hip Fracture	48	10.4	7.5	*	16.7	13.2	*	18.8	16.9	*
Sepsis	22	27.3	23.2	*	36.4	29.7	*	40.9	34.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	2.9	*	0.0	5.7	*	0.0	8.4	*
Carotid Endarterectomy	3	0.0	2.2	*	0.0	4.4	*	0.0	6.5	*
Hip Replacement/Reconstruction	19	10.5	3.8	*	15.8	7.6	*	15.8	10.6	*
Open Reduction of Hip Fracture	29	3.4	7.4	*	10.3	13.4	*	10.3	17.2	*
Prostatectomy	43	0.0	1.5	*	0.0	3.6	*	2.3	6.2	*
Cholecystectomy	28	0.0	3.0	*	0.0	5.4	*	3.6	7.1	*
Hysterectomy	10	0.0	0.1	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	178
Occupancy Rate	72
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	88
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	0
Registered Nurses	154
Licensed Practical Nurses	35

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

STURDY MEMORIAL HOSPITAL

Medicare Provider Number: 220008

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,660	10.7	9.6	1.5	16.0	14.6	1.7	19.0	18.5	1.6
CONDITIONS:										
Acute Myocardial Infarction	60	28.3	22.1	6.0	35.0	25.5	6.9	36.7	28.8	7.1
Congestive Heart Failure	128	18.0	16.9	3.4	25.0	25.6	4.8	28.9	32.7	5.8
Pneumonia/Influenza	101	12.9	16.1	4.6	21.8	21.5	4.1	24.8	25.9	4.5
Chronic Obstructive Pulmonary Disease	16	6.3	8.5	*	12.5	15.0	*	18.8	20.6	*
Transient Cerebral Ischemia	30	3.3	2.6	*	3.3	5.7	*	3.3	8.9	*
Stroke	64	23.4	19.6	6.4	32.8	26.6	7.8	35.9	31.1	8.7
Hip Fracture	64	4.7	7.0	4.5	7.8	12.6	5.8	14.1	16.2	5.0
Sepsis	23	30.4	29.7	*	39.1	37.1	*	47.8	43.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	4.0	*	0.0	7.6	*	0.0	11.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	28	3.6	3.8	*	3.6	7.3	*	10.7	9.7	*
Open Reduction of Hip Fracture	41	4.9	6.8	*	9.8	12.8	*	14.6	16.7	*
Prostatectomy	43	0.0	1.2	*	4.7	2.9	*	7.0	4.7	*
Cholecystectomy	40	2.5	2.1	*	5.0	3.8	*	7.5	5.1	*
Hysterectomy	8	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,680	9.8	9.8	0.8	15.1	14.9	0.9	18.1	18.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	79	21.5	24.9	5.6	29.1	28.3	5.1	32.9	31.6	6.9
Congestive Heart Failure	107	18.7	17.4	4.0	25.2	25.8	4.7	29.9	33.0	6.8
Pneumonia/Influenza	79	22.8	17.1	6.3	26.6	23.1	5.8	29.1	27.9	5.1
Chronic Obstructive Pulmonary Disease	12	8.3	5.4	*	25.0	10.7	*	25.0	15.8	*
Transient Cerebral Ischemia	16	0.0	2.3	*	0.0	4.9	*	0.0	7.9	*
Stroke	82	15.9	21.3	5.9	24.4	28.7	6.8	29.3	33.2	5.9
Hip Fracture	60	6.7	6.7	3.2	11.7	11.8	4.3	15.0	15.0	6.1
Sepsis	18	38.9	28.0	*	50.0	36.6	*	61.1	42.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	7.1	4.2	*	7.1	7.5	*	7.1	10.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	35	5.7	4.3	*	11.4	8.2	*	14.3	10.9	*
Open Reduction of Hip Fracture	28	7.1	7.2	*	10.7	13.0	*	14.3	16.5	*
Prostatectomy	35	2.9	1.7	*	2.9	4.1	*	11.4	6.8	*
Cholecystectomy	35	0.0	2.2	*	2.9	3.7	*	2.9	4.7	*
Hysterectomy	13	0.0	1.0	*	7.7	2.2	*	7.7	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Sturdy Memorial Hospital Inc

211 Park Street | Attleboro, Massachusetts 02703-3137 | TEL (508) 222-5200 | FAX (508) 226-4383

LINDA J. SHYAVITZ
President and
Chief Executive Officer

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Att: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Sturdy Memorial Hospital, Attleboro, Massachusetts, appreciates the opportunity to comment on our FY 1989 HCFA mortality data. Before proceeding, however, it is important to state that no statistical model can define the presence or absence of quality medical care. At best, a model can only indicate areas that warrant further review.

Interpretation of this year's data release is much more complicated than before; it will be necessary for any reader to study the technical notes carefully. There will be a predisposition to compare observed mortality to the predicted point mortality and conclude that any higher observed number is "bad". In fact, only if the observed mortality rate exceeds the predicted rate by more than two standard deviations (SD) is it probable that the difference is meaningful and worthy of further review.

Again this year, Sturdy Memorial Hospital had no actual mortality rates that exceeded two SD above the predicted rate. Indeed, in most categories we do not meet the minimum statistical reliability threshold (established by HCFA) of fifty cases so that the differences cannot be interpreted at all.

As always, though, we have incorporated this data into our ongoing quality assurance efforts. A physician has reviewed the medical record abstract of every HCFA-identified death attributed to our hospital. For the one category that appears most abberrant, acute myocardial infarction (AMI), the complete medical records were reviewed. All but two of the AMI deaths occurred here at Sturdy, more than half of them were older than 80, and in no case was there a problem with ambulance response, attending physician coverage, or Emergency Room care. These patients represent very old and all sick people for whom death was not unexpected. There is an serious shortage of nursing home beds, especially Medicare-certified beds, in Southeastern Massachusetts, and it is not uncommon for patients to be admitted to Sturdy in the last days of their illness.

"It is an Honor to Serve"

Quality medical care is our top priority, and we certainly do not object to reviewing cases identified by HCFA statistics or by any other traditional case review audit methods. We have a hospital-wide quality assurance plan, coordinated through the Medical Director's Office, which includes medical staff performance, nursing quality assurance, risk management, infection control, and safety/security. Through the clinical department organization, as well as standing committees of the Medical Staff, quality of care is reviewed continuously. Unusual events are investigated even if death does not occur; mortality is only one area of review.

Thank you for the opportunity to comment.

Signed,

Linda J. Shyavitz
President and C.E.O.
Sturdy Memorial Hospital

LJS/dmp

THE CAMBRIDGE HOSPITAL

1493 Cambridge St
Cambridge, MA 02138

Medicare Provider Number: 220011

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	760	12.1	11.0	1.3	19.3	16.7	1.8	23.7	20.9	1.9
CONDITIONS:										
Acute Myocardial Infarction	19	57.9	29.1	*	57.9	32.0	*	63.2	35.5	*
Congestive Heart Failure	54	22.2	19.3	6.0	33.3	29.0	7.2	38.9	36.7	7.0
Pneumonia/Influenza	46	15.2	19.0	*	23.9	26.0	*	28.3	31.2	*
Chronic Obstructive Pulmonary Disease	9	11.1	4.9	*	11.1	9.2	*	11.1	13.3	*
Transient Cerebral Ischemia	9	0.0	1.4	*	0.0	3.2	*	0.0	5.1	*
Stroke	26	19.2	20.6	*	23.1	28.9	*	30.8	33.9	*
Hip Fracture	20	10.0	8.3	*	15.0	14.5	*	20.0	18.6	*
Sepsis	9	11.1	16.1	*	33.3	21.5	*	33.3	25.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	2.7	*	0.0	5.7	*	25.0	8.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	10.0	3.6	*	20.0	6.3	*	20.0	8.1	*
Open Reduction of Hip Fracture	12	0.0	8.5	*	0.0	15.4	*	8.3	19.8	*
Prostatectomy	17	5.9	2.0	*	11.8	4.8	*	11.8	7.6	*
Cholecystectomy	11	0.0	2.9	*	9.1	4.8	*	9.1	5.8	*
Hysterectomy	3	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	146
Occupancy Rate	74
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	159
Percent of Physicians Board Certified Specialists	74
Medical Residents/Interns	33
Registered Nurses	152
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

THE CAMBRIDGE HOSPITAL

Medicare Provider Number: 220011

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	827	11.1	11.5	1.2	17.4	17.0	1.4	21.5	21.2	1.5
CONDITIONS:										
Acute Myocardial Infarction	33	42.4	31.5	*	48.5	35.3	*	51.5	39.2	*
Congestive Heart Failure	59	13.6	18.2	8.0	27.1	27.3	6.9	37.3	34.7	6.5
Pneumonia/Influenza	49	16.3	17.5	*	24.5	23.9	*	28.6	28.7	*
Chronic Obstructive Pulmonary Disease	6	16.7	6.2	*	16.7	12.7	*	16.7	18.3	*
Transient Cerebral Ischemia	3	0.0	3.1	*	0.0	7.5	*	0.0	12.3	*
Stroke	32	25.0	22.3	*	37.5	29.9	*	37.5	34.6	*
Hip Fracture	24	4.2	6.4	*	12.5	11.5	*	16.7	14.8	*
Sepsis	12	0.0	20.8	*	25.0	28.5	*	33.3	34.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	5.9	*	0.0	9.1	*	0.0	11.9	*
Carotid Endarterectomy	3	0.0	1.0	*	0.0	1.8	*	0.0	2.6	*
Hip Replacement/Reconstruction	10	0.0	4.0	*	0.0	8.3	*	10.0	11.7	*
Open Reduction of Hip Fracture	16	6.3	5.7	*	12.5	10.7	*	18.8	14.1	*
Prostatectomy	13	0.0	2.5	*	15.4	6.0	*	15.4	9.3	*
Cholecystectomy	11	0.0	4.5	*	0.0	8.4	*	0.0	10.6	*
Hysterectomy	4	0.0	1.0	*	0.0	2.2	*	0.0	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	797	12.7	11.7	1.4	19.8	17.3	2.0	23.6	21.6	2.5
CONDITIONS:										
Acute Myocardial Infarction	21	42.9	35.4	*	47.6	39.3	*	47.6	42.9	*
Congestive Heart Failure	53	13.2	17.9	7.2	35.8	26.5	9.0	37.7	33.7	7.3
Pneumonia/Influenza	39	15.4	18.3	*	23.1	25.6	*	30.8	30.6	*
Chronic Obstructive Pulmonary Disease	11	27.3	7.8	*	36.4	15.5	*	54.5	21.9	*
Transient Cerebral Ischemia	7	0.0	1.9	*	0.0	4.2	*	0.0	6.7	*
Stroke	22	22.7	19.0	*	22.7	25.5	*	27.3	29.7	*
Hip Fracture	22	4.5	6.5	*	13.6	11.7	*	18.2	15.1	*
Sepsis	5	40.0	21.2	*	60.0	27.7	*	60.0	33.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	3.4	*	0.0	6.4	*	7.7	9.2	*
Carotid Endarterectomy	3	0.0	1.0	*	0.0	1.6	*	0.0	2.3	*
Hip Replacement/Reconstruction	8	0.0	3.5	*	0.0	7.0	*	0.0	9.5	*
Open Reduction of Hip Fracture	14	0.0	5.6	*	14.3	10.7	*	21.4	14.3	*
Prostatectomy	25	0.0	1.6	*	12.0	3.9	*	12.0	6.5	*
Cholecystectomy	8	12.5	3.9	*	12.5	7.1	*	12.5	8.8	*
Hysterectomy	2	0.0	2.4	*	0.0	5.1	*	0.0	8.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

THE CLINTON HOSPITAL

201 Highland St
Clinton, MA 01510

Medicare Provider Number: 220058

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	445	10.1	10.4	1.6	14.2	16.2	2.2	18.0	20.6	3.0
CONDITIONS:										
Acute Myocardial Infarction	9	11.1	20.6	*	11.1	24.5	*	11.1	27.7	*
Congestive Heart Failure	35	8.6	16.7	*	17.1	26.0	*	22.9	33.4	*
Pneumonia/Influenza	29	20.7	17.6	*	27.6	24.0	*	27.6	28.9	*
Chronic Obstructive Pulmonary Disease	4	0.0	3.4	*	0.0	6.7	*	25.0	9.8	*
Transient Cerebral Ischemia	7	0.0	1.7	*	14.3	3.6	*	14.3	5.8	*
Stroke	19	10.5	15.1	*	15.8	21.7	*	21.1	25.7	*
Hip Fracture	4	50.0	9.2	*	50.0	18.6	*	50.0	25.4	*
Sepsis	9	44.4	36.9	*	44.4	45.4	*	55.6	52.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	0.9	*	0.0	2.0	*	0.0	3.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	1	0.0	5.5	*	0.0	10.7	*	0.0	14.3	*
Prostatectomy	12	0.0	0.9	*	0.0	2.2	*	8.3	3.5	*
Cholecystectomy	1	0.0	1.4	*	0.0	2.3	*	0.0	3.0	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	44
Occupancy Rate	55
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	11
Percent of Physicians Board Certified Specialists	73
Medical Residents/Interns	0
Registered Nurses	59
Licensed Practical Nurses	13

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

THE CLINTON HOSPITAL

Medicare Provider Number: 220058

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	458	10.7	10.7	1.7	15.9	16.4	1.9	20.5	20.8	2.1
CONDITIONS:										
Acute Myocardial Infarction	12	16.7	26.3	*	25.0	31.0	*	41.7	34.8	*
Congestive Heart Failure	26	26.9	18.6	*	30.8	29.5	*	38.5	38.0	*
Pneumonia/Influenza	36	11.1	16.9	*	19.4	23.5	*	22.2	28.3	*
Chronic Obstructive Pulmonary Disease	1	100.0	6.5	*	100.0	12.4	*	100.0	17.9	*
Transient Cerebral Ischemia	12	0.0	1.5	*	0.0	3.3	*	0.0	5.1	*
Stroke	23	4.3	19.2	*	13.0	26.8	*	17.4	31.8	*
Hip Fracture	6	16.7	11.4	*	16.7	20.5	*	16.7	25.7	*
Sepsis	9	11.1	33.4	*	11.1	42.3	*	22.2	48.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.6	*	0.0	3.2	*	50.0	4.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	4.2	*	0.0	8.9	*	0.0	12.3	*
Open Reduction of Hip Fracture	2	0.0	22.2	*	0.0	39.8	*	0.0	49.1	*
Prostatectomy	9	0.0	1.5	*	0.0	3.4	*	0.0	5.3	*
Cholecystectomy	1	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*
Hysterectomy	3	0.0	0.4	*	0.0	1.0	*	33.3	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	420	7.9	10.5	2.2	14.0	15.9	2.2	18.6	20.1	2.3
CONDITIONS:										
Acute Myocardial Infarction	13	15.4	18.9	*	15.4	22.7	*	15.4	26.0	*
Congestive Heart Failure	27	14.8	21.4	*	25.9	32.3	*	33.3	39.8	*
Pneumonia/Influenza	34	23.5	19.1	*	29.4	25.9	*	32.4	31.2	*
Chronic Obstructive Pulmonary Disease	2	0.0	8.0	*	0.0	13.8	*	50.0	18.3	*
Transient Cerebral Ischemia	9	0.0	2.7	*	0.0	6.1	*	0.0	9.7	*
Stroke	17	11.8	21.6	*	29.4	31.0	*	35.3	36.2	*
Hip Fracture	7	14.3	8.9	*	14.3	15.9	*	28.6	20.4	*
Sepsis	9	11.1	23.7	*	22.2	30.3	*	22.2	36.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	0.8	*	0.0	2.0	*	0.0	3.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	12.3	*	0.0	24.2	*	100.0	32.0	*
Open Reduction of Hip Fracture	4	0.0	6.4	*	0.0	11.4	*	0.0	14.4	*
Prostatectomy	3	0.0	6.8	*	0.0	14.5	*	33.3	20.6	*
Cholecystectomy	2	0.0	8.0	*	0.0	17.0	*	50.0	25.0	*
Hysterectomy	3	0.0	0.9	*	0.0	2.2	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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COMMUNITY
OF CARE

The Clinton Hospital

CLINTON, MASSACHUSETTS 01510 TEL. (617) 365-4531

FREDERICK R. BOSS
President

January 15, 1991 Medicare Provider: 220058

Attn: Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

The following is Clinton Hospitals response to HCFA s mortality data rate for our institution:

The Clinton Hospital appreciates the opportunity to address the findings of the Health Care Financing Administrations Medicare Hospital Mortality Information. Although we feel that no single indicator can be used to completely measure the quality of patient care at our institution, the analysis of carefully selected information can be helpful.

The Clinton Hospital maintains ongoing programs of Quality Assurance, Risk Management, and Patient Care Assessment. These systems require that concurrent and retrospective review of patient care be performed on an ongoing basis and that opportunities to improve care are identified and acted upon. A very important component of these programs is the review of all Hospital mortalities.

The Medical Staffs Morbidity and Mortality Committee meets monthly to review all Hospital deaths. Criteria utilized in the review includes age, illness type and severity, comorbid conditions, the expected outcome of the patient at admission, the appropriateness of evaluation and treatment, and the patient s expressed wishes concerning the extent of their treatment. Our review has consistently indicated no quality of care issues for our institution. The data released by HCFA supports these findings.

The Clinton Hospital Administration and Medical Staff are committed to providing quality healthcare for our patients. We appreciate the opportunity to evaluate and respond to this one measurement of care that HCFA has provided.

Sincerely,

Frederick R. Boss
President

THE COOLEY DICKINSON HOSPITAL INC

30 Locust St
Northampton, MA 01060

Medicare Provider Number: 220015

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,730	9.2	9.0	0.8	13.8	13.9	1.1	17.2	17.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	71	25.4	25.5	5.4	31.0	29.1	5.6	35.2	32.5	7.0
Congestive Heart Failure	87	17.2	15.2	4.2	23.0	23.6	4.8	28.7	30.6	5.5
Pneumonia/Influenza	93	14.0	18.0	8.3	18.3	24.1	8.7	22.6	28.9	9.9
Chronic Obstructive Pulmonary Disease	23	17.4	5.8	*	21.7	11.4	*	26.1	16.6	*
Transient Cerebral Ischemia	16	0.0	1.6	*	0.0	3.5	*	0.0	5.6	*
Stroke	63	17.5	21.2	6.1	23.8	28.8	7.2	33.3	33.4	6.0
Hip Fracture	61	3.3	7.3	4.7	11.5	13.1	6.0	11.5	16.8	7.0
Sepsis	15	13.3	23.5	*	13.3	31.6	*	20.0	37.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	2.2	*	6.3	4.6	*	12.5	7.0	*
Carotid Endarterectomy	1	0.0	1.1	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	46	2.2	2.9	*	6.5	5.8	*	10.9	8.3	*
Open Reduction of Hip Fracture	32	3.1	6.3	*	9.4	11.7	*	9.4	15.3	*
Prostatectomy	24	0.0	0.7	*	0.0	1.7	*	0.0	2.7	*
Cholecystectomy	26	7.7	3.8	*	7.7	6.5	*	7.7	8.1	*
Hysterectomy	12	0.0	0.5	*	8.3	1.2	*	8.3	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	207
Occupancy Rate	64
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	129
Percent of Physicians Board Certified Specialists	86
Medical Residents/Interns	0
Registered Nurses	165
Licensed Practical Nurses	55

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

THE COOLEY DICKINSON HOSPITAL INC
Medicare Provider Number: 220015

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,948	9.3	9.6	1.3	14.0	14.7	1.3	18.0	18.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	59	28.8	26.1	6.4	32.2	29.4	6.9	35.6	32.8	7.7
Congestive Heart Failure	110	18.2	17.5	3.7	26.4	26.3	4.4	31.8	33.2	4.7
Pneumonia/Influenza	103	16.5	16.9	4.8	19.4	22.6	5.0	25.2	27.1	4.7
Chronic Obstructive Pulmonary Disease	22	4.5	8.3	*	9.1	14.3	*	13.6	19.5	*
Transient Cerebral Ischemia	21	0.0	2.4	*	9.5	5.4	*	14.3	8.4	*
Stroke	96	16.7	20.0	5.0	22.9	27.7	6.0	24.0	32.4	7.5
Hip Fracture	47	8.5	7.1	*	17.0	13.1	*	23.4	17.1	*
Sepsis	16	12.5	26.0	*	31.3	32.1	*	37.5	37.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	13.3	5.8	*	20.0	10.1	*	26.7	14.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	52	1.9	2.9	2.8	7.7	5.7	5.0	7.7	7.9	3.7
Open Reduction of Hip Fracture	22	9.1	7.1	*	13.6	13.5	*	22.7	17.6	*
Prostatectomy	37	0.0	1.4	*	5.4	3.5	*	5.4	5.8	*
Cholecystectomy	38	7.9	3.5	*	10.5	6.8	*	13.2	9.3	*
Hysterectomy	17	0.0	0.3	*	0.0	0.5	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,959	9.2	10.1	0.8	15.1	15.3	1.4	17.9	19.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	74	31.1	32.5	6.3	37.8	36.6	6.0	39.2	40.4	6.1
Congestive Heart Failure	99	10.1	16.2	6.0	19.2	24.4	6.8	24.2	31.3	7.5
Pneumonia/Influenza	90	10.0	18.3	6.2	21.1	24.8	9.7	22.2	29.8	7.4
Chronic Obstructive Pulmonary Disease	25	16.0	8.1	*	20.0	15.3	*	24.0	21.3	*
Transient Cerebral Ischemia	14	0.0	2.3	*	0.0	5.2	*	0.0	8.5	*
Stroke	90	28.9	22.2	6.9	36.7	29.8	8.1	43.3	34.5	9.7
Hip Fracture	54	7.4	8.2	5.1	11.1	14.8	7.4	13.0	19.0	9.2
Sepsis	24	37.5	30.0	*	41.7	38.8	*	41.7	45.2	*
PROCEDURES:										
Angioplasty	1	0.0	4.5	*	0.0	9.5	*	0.0	13.2	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	0.0	5.8	*	0.0	10.2	*	4.5	13.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	41	4.9	3.2	*	4.9	6.0	*	4.9	7.8	*
Open Reduction of Hip Fracture	31	3.2	7.1	*	9.7	13.4	*	9.7	17.6	*
Prostatectomy	44	0.0	1.4	*	0.0	3.3	*	4.5	5.4	*
Cholecystectomy	34	0.0	3.1	*	2.9	5.7	*	2.9	7.8	*
Hysterectomy	19	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

THE HUNT HOSPITAL

75 Lindall St
Danvers, MA 01923

Medicare Provider Number: 220040

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	970	10.0	9.8	1.0	15.1	14.7	1.2	18.4	18.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	47	31.9	26.3	*	36.2	29.4	*	36.2	32.7	*
Congestive Heart Failure	37	13.5	16.2	*	27.0	25.6	*	37.8	33.2	*
Pneumonia/Influenza	74	18.9	17.3	5.0	28.4	23.6	6.7	31.1	28.5	6.5
Chronic Obstructive Pulmonary Disease	7	42.9	8.2	*	57.1	14.7	*	57.1	21.1	*
Transient Cerebral Ischemia	32	3.1	1.7	*	9.4	4.0	*	12.5	6.5	*
Stroke	49	20.4	19.6	*	26.5	26.9	*	32.7	31.4	*
Hip Fracture	33	9.1	5.8	*	21.2	10.8	*	27.3	14.3	*
Sepsis	13	0.0	19.7	*	15.4	26.8	*	15.4	32.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	5.2	*	0.0	9.9	*	0.0	13.5	*
Carotid Endarterectomy	2	0.0	1.3	*	0.0	2.3	*	0.0	3.2	*
Hip Replacement/Reconstruction	15	6.7	3.9	*	13.3	7.4	*	20.0	10.0	*
Open Reduction of Hip Fracture	20	10.0	4.9	*	25.0	9.7	*	30.0	13.1	*
Prostatectomy	21	0.0	1.1	*	0.0	2.5	*	4.8	3.9	*
Cholecystectomy	22	4.5	3.8	*	4.5	6.6	*	9.1	8.3	*
Hysterectomy	3	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	118
Occupancy Rate	72
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	97
Percent of Physicians Board Certified Specialists	74
Medical Residents/Interns	0
Registered Nurses	134
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

THE HUNT HOSPITAL

Medicare Provider Number: 220040

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,033	10.7	9.5	1.3	15.7	14.5	1.3	18.9	18.3	1.4
CONDITIONS:										
Acute Myocardial Infarction	35	34.3	28.1	*	40.0	31.3	*	40.0	34.8	*
Congestive Heart Failure	47	19.1	16.7	*	25.5	25.2	*	29.8	32.1	*
Pneumonia/Influenza	75	18.7	18.4	6.6	29.3	25.2	6.8	32.0	30.3	6.3
Chronic Obstructive Pulmonary Disease	8	0.0	5.6	*	0.0	10.1	*	12.5	14.0	*
Transient Cerebral Ischemia	19	0.0	1.8	*	0.0	4.1	*	10.5	6.6	*
Stroke	35	25.7	22.5	*	31.4	30.7	*	42.9	36.0	*
Hip Fracture	36	2.8	5.6	*	8.3	10.7	*	16.7	14.3	*
Sepsis	13	15.4	22.0	*	23.1	28.5	*	23.1	33.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.3	*	0.0	2.9	*	0.0	4.6	*
Carotid Endarterectomy	1	0.0	1.0	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	21	0.0	3.1	*	4.8	6.1	*	9.5	8.3	*
Open Reduction of Hip Fracture	18	5.6	5.1	*	11.1	10.2	*	16.7	13.9	*
Prostatectomy	25	0.0	0.8	*	8.0	2.0	*	8.0	3.5	*
Cholecystectomy	15	0.0	1.7	*	0.0	3.4	*	0.0	4.8	*
Hysterectomy	8	0.0	0.8	*	0.0	1.8	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,057	8.0	9.7	1.2	14.6	14.5	1.1	18.8	18.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	42	23.8	26.9	*	33.3	30.0	*	40.5	33.0	*
Congestive Heart Failure	39	10.3	23.9	*	25.6	34.5	*	46.2	42.5	*
Pneumonia/Influenza	66	12.1	17.9	7.6	22.7	24.1	5.6	27.3	29.1	5.8
Chronic Obstructive Pulmonary Disease	14	14.3	6.6	*	21.4	12.3	*	21.4	17.4	*
Transient Cerebral Ischemia	33	0.0	1.9	*	9.1	3.9	*	12.1	6.2	*
Stroke	43	23.3	23.8	*	34.9	31.9	*	39.5	36.7	*
Hip Fracture	34	5.9	6.1	*	11.8	11.5	*	20.6	15.1	*
Sepsis	11	18.2	30.6	*	27.3	38.8	*	27.3	45.1	*
PROCEDURES:										
Angioplasty	1	0.0	1.2	*	0.0	1.9	*	0.0	2.9	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	2.9	*	0.0	7.2	*	0.0	11.5	*
Carotid Endarterectomy	5	0.0	1.7	*	0.0	3.3	*	0.0	4.8	*
Hip Replacement/Reconstruction	13	0.0	2.2	*	0.0	4.5	*	0.0	6.3	*
Open Reduction of Hip Fracture	18	0.0	5.5	*	5.6	10.8	*	16.7	14.5	*
Prostatectomy	21	0.0	1.0	*	0.0	2.5	*	0.0	4.2	*
Cholecystectomy	17	0.0	2.9	*	5.9	5.3	*	5.9	7.0	*
Hysterectomy	5	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

THE MALDEN HOSPITAL

Hospital Rd
Malden, MA 02148

Medicare Provider Number: 220092

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,315	7.9	9.7	1.1	12.4	14.9	1.3	16.6	18.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	46	17.4	25.0	*	28.3	28.5	*	30.4	31.8	*
Congestive Heart Failure	67	7.5	14.2	5.9	23.9	22.0	5.6	28.4	28.5	5.7
Pneumonia/Influenza	60	11.7	17.6	7.9	20.0	24.2	9.3	23.3	29.3	10.1
Chronic Obstructive Pulmonary Disease	11	0.0	6.9	*	9.1	12.5	*	18.2	17.1	*
Transient Cerebral Ischemia	8	0.0	1.7	*	0.0	3.7	*	0.0	6.0	*
Stroke	41	14.6	20.0	*	14.6	27.7	*	24.4	32.4	*
Hip Fracture	34	8.8	6.4	*	8.8	11.1	*	14.7	14.3	*
Sepsis	10	20.0	23.1	*	20.0	32.4	*	30.0	38.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	4.5	*	0.0	7.7	*	0.0	10.4	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.3	*	0.0	3.1	*
Hip Replacement/Reconstruction	16	0.0	4.9	*	0.0	8.4	*	6.3	10.9	*
Open Reduction of Hip Fracture	25	12.0	5.8	*	12.0	10.6	*	16.0	13.8	*
Prostatectomy	32	0.0	0.7	*	3.1	1.7	*	3.1	3.1	*
Cholecystectomy	21	0.0	3.5	*	4.8	6.3	*	4.8	8.5	*
Hysterectomy	9	0.0	0.6	*	0.0	1.4	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	197
Occupancy Rate	75
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	175
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	0
Registered Nurses	226
Licensed Practical Nurses	28

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

THE MALDEN HOSPITAL

Medicare Provider Number: 220092

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,385	9.4	10.5	1.3	14.8	15.7	1.2	19.1	19.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	63	27.0	26.6	5.6	33.3	30.4	6.3	34.9	34.1	6.7
Congestive Heart Failure	78	14.1	16.6	5.5	25.6	25.5	5.6	32.1	32.6	5.5
Pneumonia/Influenza	67	14.9	16.8	5.0	22.4	22.5	5.7	29.9	27.2	8.1
Chronic Obstructive Pulmonary Disease	6	0.0	6.2	*	0.0	11.2	*	0.0	15.7	*
Transient Cerebral Ischemia	25	0.0	2.1	*	0.0	4.7	*	4.0	7.4	*
Stroke	43	18.6	24.5	*	27.9	32.0	*	32.6	36.9	*
Hip Fracture	44	6.8	6.2	*	9.1	11.1	*	11.4	14.2	*
Sepsis	14	0.0	25.8	*	14.3	33.0	*	21.4	38.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	4.8	*	11.1	8.1	*	11.1	10.8	*
Carotid Endarterectomy	4	0.0	1.5	*	0.0	2.6	*	0.0	3.6	*
Hip Replacement/Reconstruction	25	0.0	5.5	*	4.0	9.7	*	4.0	12.5	*
Open Reduction of Hip Fracture	21	9.5	5.8	*	14.3	10.7	*	19.0	13.9	*
Prostatectomy	40	0.0	1.7	*	2.5	3.6	*	12.5	5.5	*
Cholecystectomy	17	0.0	3.1	*	5.9	6.3	*	5.9	8.8	*
Hysterectomy	15	0.0	1.1	*	0.0	2.4	*	6.7	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,402	10.6	10.4	0.9	17.5	15.8	1.2	21.7	19.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	55	38.2	26.3	9.0	43.6	29.9	9.8	45.5	33.3	11.0
Congestive Heart Failure	97	17.5	18.0	4.5	28.9	26.5	6.0	35.1	33.7	6.2
Pneumonia/Influenza	60	20.0	16.9	5.9	26.7	23.3	7.1	30.0	28.4	6.0
Chronic Obstructive Pulmonary Disease	21	0.0	10.2	*	19.0	16.6	*	28.6	21.5	*
Transient Cerebral Ischemia	24	0.0	1.9	*	0.0	4.0	*	8.3	6.2	*
Stroke	48	10.4	23.1	*	25.0	31.3	*	27.1	36.1	*
Hip Fracture	42	11.9	6.6	*	16.7	12.1	*	26.2	15.6	*
Sepsis	16	37.5	30.2	*	56.3	40.0	*	56.3	47.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	2.3	*	0.0	4.9	*	0.0	7.4	*
Carotid Endarterectomy	3	0.0	1.7	*	0.0	3.4	*	0.0	4.7	*
Hip Replacement/Reconstruction	23	4.3	4.5	*	13.0	8.7	*	13.0	11.5	*
Open Reduction of Hip Fracture	19	10.5	5.9	*	15.8	11.0	*	31.6	14.2	*
Prostatectomy	42	2.4	2.1	*	7.1	5.2	*	9.5	8.6	*
Cholecystectomy	26	0.0	2.7	*	3.8	4.7	*	3.8	5.8	*
Hysterectomy	6	0.0	2.2	*	0.0	5.7	*	16.7	9.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

THE MEDICAL CTR CENTRAL MASS MEMORIAL

119 Belmont St
Worcester, MA 01605

Medicare Provider Number: 220026

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,593	9.2	10.2	0.7	14.9	15.7	0.8	19.9	19.9	0.8
CONDITIONS:										
Acute Myocardial Infarction	87	33.3	32.3	5.2	36.8	36.3	5.4	40.2	39.9	5.8
Congestive Heart Failure	139	13.7	15.5	3.4	20.1	24.1	5.7	24.5	31.2	7.0
Pneumonia/Influenza	174	10.9	19.0	4.1	20.7	25.7	3.8	24.7	30.9	4.1
Chronic Obstructive Pulmonary Disease	20	0.0	4.2	*	10.0	8.7	*	10.0	12.8	*
Transient Cerebral Ischemia	25	4.0	1.6	*	4.0	3.5	*	4.0	5.6	*
Stroke	72	29.2	25.0	6.3	38.9	30.9	8.5	43.1	35.3	7.9
Hip Fracture	75	8.0	6.8	3.1	14.7	12.4	4.3	16.0	16.2	4.3
Sepsis	30	23.3	25.8	*	36.7	35.9	*	46.7	42.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	1.3	*	9.1	2.7	*	9.1	4.1	*
Carotid Endarterectomy	15	6.7	1.3	*	6.7	2.3	*	6.7	3.4	*
Hip Replacement/Reconstruction	64	6.3	3.8	3.1	12.5	7.4	4.9	14.1	10.0	6.3
Open Reduction of Hip Fracture	36	5.6	5.8	*	8.3	10.8	*	8.3	14.2	*
Prostatectomy	93	2.2	1.5	2.6	6.5	3.4	3.9	8.6	5.4	4.8
Cholecystectomy	28	0.0	4.5	*	7.1	7.8	*	14.3	9.8	*
Hysterectomy	19	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds	344
Ownership/Control	Private, Non-Profit

STAFFING:

Medical Residents/Interns	38
Registered Nurses	352
Licensed Practical Nurses	46

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice	Yes
Intensive Care Unit	Yes
Organ Transplant	No
Rehabilitation	Yes
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

THE MEDICAL CTR CENTRAL MASS MEMORIAL

Medicare Provider Number: 220026

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,741	8.8	10.5	0.7	14.5	16.4	0.9	18.4	20.7	1.0
CONDITIONS:										
Acute Myocardial Infarction	87	20.7	28.3	10.5	25.3	32.2	9.7	31.0	36.1	8.5
Congestive Heart Failure	120	20.8	19.5	4.0	29.2	30.1	4.4	36.7	38.0	4.6
Pneumonia/Influenza	182	17.6	20.5	4.8	24.2	27.3	4.8	27.5	32.4	6.7
Chronic Obstructive Pulmonary Disease	19	0.0	7.4	*	0.0	13.7	*	5.3	19.2	*
Transient Cerebral Ischemia	31	0.0	1.6	*	6.5	3.4	*	6.5	5.4	*
Stroke	82	13.4	21.5	8.6	20.7	28.3	9.2	24.4	33.0	9.9
Hip Fracture	92	1.1	7.3	4.1	6.5	13.3	5.2	7.6	17.1	6.3
Sepsis	36	30.6	27.0	*	38.9	36.5	*	44.4	42.3	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	0.0	5.4	*	0.0	8.8	*	8.3	11.8	*
Carotid Endarterectomy	15	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	52	0.0	4.7	3.7	1.9	8.9	5.4	3.8	11.8	6.3
Open Reduction of Hip Fracture	54	1.9	6.6	5.1	9.3	12.6	7.2	9.3	16.5	8.6
Prostatectomy	110	0.9	2.6	2.0	4.5	5.3	2.8	6.4	7.8	4.0
Cholecystectomy	47	6.4	4.0	*	10.6	7.4	*	12.8	10.1	*
Hysterectomy	14	0.0	0.7	*	0.0	1.6	*	7.1	2.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,712	8.3	10.5	0.8	13.8	16.3	0.9	18.3	20.6	0.9
CONDITIONS:										
Acute Myocardial Infarction	94	21.3	27.4	9.1	25.5	31.0	10.1	27.7	34.3	10.3
Congestive Heart Failure	128	13.3	20.1	4.5	19.5	30.4	5.5	28.1	38.3	6.3
Pneumonia/Influenza	163	18.4	21.5	4.0	27.0	28.9	3.9	35.0	34.3	4.0
Chronic Obstructive Pulmonary Disease	38	10.5	9.0	*	15.8	16.4	*	26.3	22.3	*
Transient Cerebral Ischemia	43	2.3	2.0	*	2.3	4.0	*	4.7	6.2	*
Stroke	91	19.8	23.7	5.5	33.0	31.2	5.4	36.3	35.9	5.0
Hip Fracture	65	4.6	8.1	4.0	9.2	14.4	5.6	10.8	18.3	7.1
Sepsis	36	30.6	24.8	*	33.3	32.8	*	33.3	38.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	36	2.8	4.4	*	2.8	7.9	*	2.8	10.6	*
Carotid Endarterectomy	13	0.0	1.0	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	37	5.4	3.9	*	8.1	7.8	*	8.1	10.9	*
Open Reduction of Hip Fracture	37	0.0	7.1	*	5.4	13.4	*	8.1	17.5	*
Prostatectomy	99	2.0	1.5	1.5	4.0	3.6	2.1	4.0	6.0	3.3
Cholecystectomy	39	2.6	4.3	*	5.1	7.2	*	7.7	9.1	*
Hysterectomy	16	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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THE
MEDICAL
CENTER OF
CENTRAL
MASSACHUSETTS

MEMORIAL

345.2

119 Belmont Street
Worcester, MA
01605-2982

(508) 793-6611
FAX (508) 793-6324

January 14, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: HCFA Mortality Data 1989
The Med Center - Memorial
Provider No. 220026

Dear Mrs. Kappert:

Thank you for the opportunity to review and comment on the 1989 HCFA mortality data for The Medical Center of Central Massachusetts - Memorial.

HCFA data are not intended to measure hospital "performance" but are helpful to hospitals as a tool for ongoing evaluation of patient care. As an institution committed to providing and monitoring quality care we share HCFA's concern that patients receive the highest quality health care.

The data for 1989 indicates that the overall observed mortality rate for Memorial fell within or better than the predicted rate for all three categories (30, 90, and 180 days).

The information released this year reflects mortality data for 1987, 1988, and 1989. As part of HCFA's commitment to refining the methodology used in their analysis, predicting the probability of death and comparing survival for longer periods following admission have been added this year. This methodology has been applied to the three years of data to make the data comparable.

As a provider of health care in the Worcester area and surrounding communities, we are obviously pleased with the results of this analysis which reflect the hospital's philosophy of maintaining an on-going QA and UR Review process. As part of this process Peer Review of all patient deaths is conducted to assess the quality and appropriateness of care rendered in these cases.

Because of our commitment to quality care, we applaud HCFA's efforts in defining quantifiable measures for consumers and in continuing to refine their methods of analysis to respond to hospital concerns on the methodology. However, we still believe that the consumer must be given basic information to correctly interpret the data, especially in assessing variations between years.

Again, we appreciate the opportunity to review this data prior to its publication.

Sincerely,

Kevin R. Burchill
Vice President/Ancillary Services

THE MEDICAL CTR CENTRAL MASS-HAHNEMANN

281 Lincoln St
Worcester, MA 01605

Medicare Provider Number: 220057

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,426	9.6	9.2	1.0	14.4	14.3	1.0	18.1	18.3	1.0
CONDITIONS:										
Acute Myocardial Infarction	48	27.1	22.2	*	31.3	26.1	*	33.3	29.8	*
Congestive Heart Failure	83	8.4	15.4	6.8	18.1	23.9	7.8	24.1	30.9	7.8
Pneumonia/Influenza	71	9.9	13.5	6.2	14.1	18.9	8.5	15.5	23.2	9.3
Chronic Obstructive Pulmonary Disease	19	15.8	4.1	*	15.8	8.3	*	15.8	12.5	*
Transient Cerebral Ischemia	13	0.0	2.3	*	0.0	5.5	*	0.0	8.9	*
Stroke	53	20.8	17.9	6.6	28.3	25.2	7.6	34.0	29.9	8.4
Hip Fracture	54	1.9	4.8	5.1	5.6	9.1	7.8	7.4	12.2	8.1
Sepsis	18	16.7	21.1	*	16.7	29.2	*	27.8	35.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	1.9	*	0.0	4.0	*	0.0	6.2	*
Carotid Endarterectomy	1	0.0	1.6	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	41	4.9	2.5	*	7.3	5.0	*	7.3	7.0	*
Open Reduction of Hip Fracture	15	0.0	3.9	*	0.0	7.9	*	6.7	10.9	*
Prostatectomy	40	0.0	0.7	*	0.0	1.9	*	0.0	3.3	*
Cholecystectomy	16	6.3	2.3	*	6.3	3.9	*	6.3	5.0	*
Hysterectomy	7	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	590
Occupancy Rate	73
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

THE MEDICAL CTR CENTRAL MASS-HAHNEMANN

Medicare Provider Number: 220057

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,300	10.0	9.5	0.9	14.8	14.5	1.1	17.9	18.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	41	17.1	24.5	*	19.5	28.2	*	24.4	31.6	*
Congestive Heart Failure	63	20.6	17.2	5.5	28.6	26.9	5.9	33.3	34.4	6.1
Pneumonia/Influenza	79	19.0	17.5	5.6	21.5	24.1	6.7	25.3	28.9	8.2
Chronic Obstructive Pulmonary Disease	18	11.1	6.6	*	27.8	11.9	*	27.8	16.4	*
Transient Cerebral Ischemia	13	0.0	2.1	*	0.0	4.6	*	0.0	7.3	*
Stroke	43	11.6	21.7	*	25.6	28.5	*	30.2	33.2	*
Hip Fracture	53	5.7	5.9	3.9	11.3	11.0	4.9	13.2	14.4	4.9
Sepsis	8	25.0	34.0	*	37.5	44.6	*	37.5	50.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.4	*	20.0	6.6	*	20.0	9.9	*
Carotid Endarterectomy	1	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	36	2.8	1.7	*	2.8	3.5	*	2.8	4.8	*
Open Reduction of Hip Fracture	21	4.8	6.2	*	19.0	12.0	*	19.0	15.8	*
Prostatectomy	48	0.0	1.1	*	0.0	2.8	*	0.0	4.8	*
Cholecystectomy	19	5.3	2.8	*	5.3	5.3	*	5.3	7.2	*
Hysterectomy	15	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,484	8.5	9.4	1.0	13.9	14.5	1.1	17.3	18.6	1.6
CONDITIONS:										
Acute Myocardial Infarction	42	19.0	28.9	*	21.4	32.8	*	21.4	36.2	*
Congestive Heart Failure	78	11.5	17.2	5.9	14.1	26.5	8.2	23.1	33.8	8.5
Pneumonia/Influenza	78	19.2	18.1	5.4	26.9	24.7	5.5	28.2	29.8	5.4
Chronic Obstructive Pulmonary Disease	26	7.7	6.0	*	11.5	11.5	*	15.4	16.6	*
Transient Cerebral Ischemia	19	0.0	2.1	*	0.0	4.4	*	0.0	7.0	*
Stroke	27	7.4	20.9	*	29.6	29.3	*	37.0	34.3	*
Hip Fracture	43	16.3	7.1	*	18.6	13.2	*	23.3	17.3	*
Sepsis	13	46.2	27.4	*	46.2	35.7	*	53.8	42.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	50.0	4.3	*	50.0	8.6	*	50.0	12.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	21	0.0	2.6	*	0.0	5.2	*	0.0	7.4	*
Open Reduction of Hip Fracture	6	0.0	5.4	*	0.0	10.7	*	16.7	14.4	*
Prostatectomy	55	0.0	2.0	2.4	0.0	4.9	4.5	3.6	8.0	4.7
Cholecystectomy	25	8.0	4.7	*	20.0	8.8	*	20.0	11.2	*
Hysterectomy	12	0.0	1.3	*	0.0	2.2	*	0.0	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

THE MEDICAL CTR CENTRAL MASS-HOLDEN

52 Boyden Rd
Holden, MA 01520

Medicare Provider Number: 220034

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	608	7.2	8.8	1.7	11.0	13.9	2.3	15.8	17.9	2.4
CONDITIONS:										
Acute Myocardial Infarction	32	25.0	25.6	*	31.3	28.3	*	31.3	31.3	*
Congestive Heart Failure	30	23.3	18.4	*	26.7	28.6	*	33.3	36.2	*
Pneumonia/Influenza	33	12.1	17.5	*	15.2	23.8	*	15.2	28.8	*
Chronic Obstructive Pulmonary Disease	6	16.7	5.2	*	16.7	10.1	*	16.7	14.7	*
Transient Cerebral Ischemia	8	12.5	2.6	*	12.5	6.0	*	25.0	10.0	*
Stroke	17	5.9	19.9	*	23.5	27.5	*	23.5	32.2	*
Hip Fracture	23	4.3	5.6	*	4.3	10.5	*	4.3	13.9	*
Sepsis	2	0.0	18.3	*	0.0	28.4	*	0.0	39.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	2.3	*	0.0	5.4	*	0.0	8.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	0.0	3.8	*	0.0	7.3	*	0.0	9.8	*
Open Reduction of Hip Fracture	0									
Prostatectomy	21	0.0	1.1	*	0.0	2.8	*	4.8	4.8	*
Cholecystectomy	6	0.0	2.3	*	0.0	3.5	*	0.0	4.4	*
Hysterectomy	1	0.0	0.1	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1988

Total Beds	65
Ownership/Control	Private, Non-Profit

STAFFING:

Medical Residents/Interns	0
Registered Nurses	77
Licensed Practical Nurses	21

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice	No
Intensive Care Unit	Yes
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

THE MEDICAL CTR CENTRAL MASS-HOLDEN

Medicare Provider Number: 220034

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	655	9.2	9.5	1.2	14.2	14.6	1.6	17.4	18.5	2.3
CONDITIONS:										
Acute Myocardial Infarction	19	26.3	29.7	*	31.6	33.3	*	31.6	36.9	*
Congestive Heart Failure	34	20.6	16.5	*	32.4	24.9	*	41.2	31.7	*
Pneumonia/Influenza	33	18.2	21.7	*	24.2	29.6	*	27.3	35.4	*
Chronic Obstructive Pulmonary Disease	10	0.0	5.5	*	0.0	10.7	*	10.0	15.3	*
Transient Cerebral Ischemia	13	0.0	2.7	*	0.0	6.2	*	23.1	9.9	*
Stroke	33	24.2	19.1	*	24.2	26.6	*	27.3	31.3	*
Hip Fracture	16	12.5	6.8	*	18.8	12.5	*	18.8	16.0	*
Sepsis	7	28.6	20.7	*	28.6	25.1	*	28.6	29.7	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	3.1	*	0.0	6.7	*	0.0	10.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	8.3	3.4	*	16.7	6.5	*	16.7	8.4	*
Open Reduction of Hip Fracture	3	0.0	6.9	*	0.0	11.9	*	0.0	14.8	*
Prostatectomy	28	0.0	1.1	*	0.0	2.9	*	7.1	5.1	*
Cholecystectomy	5	0.0	1.7	*	0.0	3.6	*	0.0	5.6	*
Hysterectomy	3	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	648	7.6	9.3	1.8	12.7	14.3	2.4	15.4	18.1	2.7
CONDITIONS:										
Acute Myocardial Infarction	19	10.5	27.6	*	15.8	31.0	*	15.8	34.3	*
Congestive Heart Failure	33	12.1	18.8	*	21.2	28.0	*	33.3	35.3	*
Pneumonia/Influenza	28	10.7	20.3	*	17.9	27.2	*	25.0	32.4	*
Chronic Obstructive Pulmonary Disease	12	0.0	11.0	*	16.7	18.7	*	25.0	24.5	*
Transient Cerebral Ischemia	8	0.0	2.8	*	12.5	6.8	*	12.5	11.3	*
Stroke	28	25.0	18.5	*	35.7	25.9	*	39.3	30.5	*
Hip Fracture	17	5.9	7.7	*	5.9	13.9	*	5.9	17.9	*
Sepsis	9	22.2	25.9	*	33.3	35.4	*	33.3	42.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	5.3	*	0.0	13.0	*	0.0	20.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	5.9	*	0.0	11.0	*	0.0	14.2	*
Open Reduction of Hip Fracture	0									
Prostatectomy	26	0.0	0.8	*	3.8	1.9	*	3.8	3.3	*
Cholecystectomy	5	0.0	2.7	*	20.0	5.1	*	20.0	6.8	*
Hysterectomy	1	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

THE NASHOBA COMMUNITY HOSPITAL INC

200 Groton Ave
Ayer, MA 01432

Medicare Provider Number: 220098

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	714	9.2	9.7	1.5	13.6	14.5	2.2	16.4	18.4	2.4
CONDITIONS:										
Acute Myocardial Infarction	31	35.5	32.2	*	45.2	36.4	*	45.2	40.0	*
Congestive Heart Failure	25	12.0	15.3	*	24.0	22.6	*	28.0	29.2	*
Pneumonia/Influenza	39	10.3	16.6	*	15.4	22.7	*	15.4	27.2	*
Chronic Obstructive Pulmonary Disease	14	14.3	10.1	*	14.3	16.8	*	14.3	22.4	*
Transient Cerebral Ischemia	11	0.0	2.0	*	0.0	4.2	*	0.0	6.6	*
Stroke	21	0.0	21.5	*	14.3	29.6	*	23.8	34.5	*
Hip Fracture	10	10.0	7.2	*	10.0	12.9	*	10.0	16.6	*
Sepsis	18	22.2	27.4	*	33.3	34.5	*	33.3	40.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	0.0	4.0	*	4.0	7.1	*	4.0	9.9	*
Carotid Endarterectomy	3	0.0	1.6	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	6	0.0	2.1	*	0.0	3.9	*	0.0	5.3	*
Open Reduction of Hip Fracture	5	0.0	5.2	*	0.0	9.8	*	0.0	13.1	*
Prostatectomy	27	0.0	2.2	*	0.0	3.7	*	0.0	5.4	*
Cholecystectomy	9	0.0	2.3	*	0.0	3.6	*	0.0	4.5	*
Hysterectomy	5	0.0	0.7	*	0.0	1.6	*	0.0	2.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	57
Occupancy Rate	68
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	75
Percent of Physicians Board Certified Specialists	67
Medical Residents/Interns	0
Registered Nurses	80
Licensed Practical Nurses	8

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

THE NASHOBA COMMUNITY HOSPITAL INC

Medicare Provider Number: 220098

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	751	9.6	9.0	1.2	14.6	13.8	1.5	18.4	17.7	1.6
CONDITIONS:										
Acute Myocardial Infarction	37	32.4	27.2	*	35.1	30.8	*	40.5	34.4	*
Congestive Heart Failure	34	17.6	18.1	*	26.5	27.4	*	35.3	34.9	*
Pneumonia/Influenza	41	31.7	17.0	*	36.6	23.9	*	39.0	28.6	*
Chronic Obstructive Pulmonary Disease	12	0.0	4.6	*	8.3	9.0	*	8.3	12.9	*
Transient Cerebral Ischemia	5	0.0	2.9	*	20.0	6.5	*	20.0	10.3	*
Stroke	20	25.0	18.8	*	30.0	25.9	*	40.0	30.6	*
Hip Fracture	20	15.0	8.8	*	25.0	16.4	*	25.0	21.3	*
Sepsis	10	20.0	24.0	*	50.0	30.7	*	50.0	35.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	11.8	3.4	*	11.8	6.8	*	11.8	10.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	5.4	*	10.0	10.7	*	10.0	14.2	*
Open Reduction of Hip Fracture	10	20.0	7.7	*	30.0	14.4	*	30.0	18.8	*
Prostatectomy	26	0.0	1.4	*	3.8	3.3	*	3.8	5.4	*
Cholecystectomy	7	0.0	1.5	*	0.0	2.9	*	0.0	4.1	*
Hysterectomy	6	0.0	0.2	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	764	10.1	9.4	2.1	16.5	14.2	2.0	20.2	18.0	2.0
CONDITIONS:										
Acute Myocardial Infarction	32	46.9	28.6	*	50.0	32.6	*	53.1	36.3	*
Congestive Heart Failure	33	3.0	16.6	*	12.1	24.7	*	24.2	31.6	*
Pneumonia/Influenza	33	18.2	17.1	*	27.3	23.4	*	33.3	28.2	*
Chronic Obstructive Pulmonary Disease	13	7.7	8.7	*	23.1	16.1	*	23.1	22.2	*
Transient Cerebral Ischemia	12	0.0	2.6	*	8.3	5.8	*	16.7	9.4	*
Stroke	31	22.6	22.6	*	25.8	29.8	*	29.0	34.4	*
Hip Fracture	24	16.7	6.9	*	33.3	12.7	*	33.3	16.4	*
Sepsis	9	0.0	19.3	*	11.1	26.9	*	11.1	32.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	3.0	*	0.0	6.3	*	7.1	9.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	4.7	*	14.3	8.8	*	14.3	11.3	*
Open Reduction of Hip Fracture	17	5.9	5.0	*	23.5	9.9	*	23.5	13.4	*
Prostatectomy	34	2.9	0.9	*	5.9	2.1	*	5.9	3.5	*
Cholecystectomy	10	10.0	5.8	*	10.0	8.0	*	10.0	9.6	*
Hysterectomy	4	25.0	2.6	*	25.0	5.9	*	25.0	9.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

THE PROVIDENCE HOSPITAL INC

1233 Main St
Holyoke, MA 01040

Medicare Provider Number: 220023

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,255	8.4	8.8	0.8	13.1	13.7	1.0	15.9	17.5	1.4
CONDITIONS:										
Acute Myocardial Infarction	28	28.6	31.7	*	32.1	34.9	*	32.1	38.2	*
Congestive Heart Failure	80	20.0	16.0	6.8	27.5	24.6	5.7	31.3	31.5	5.3
Pneumonia/Influenza	92	14.1	16.1	4.0	14.1	22.4	5.5	16.3	26.9	6.4
Chronic Obstructive Pulmonary Disease	18	0.0	4.6	*	0.0	8.4	*	0.0	11.9	*
Transient Cerebral Ischemia	23	0.0	2.2	*	8.7	5.0	*	13.0	8.0	*
Stroke	42	16.7	20.1	*	33.3	27.2	*	33.3	31.5	*
Hip Fracture	37	2.7	7.2	*	10.8	12.9	*	21.6	16.7	*
Sepsis	8	25.0	31.5	*	25.0	39.2	*	25.0	46.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.4	*	0.0	5.2	*	0.0	8.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	16	0.0	3.4	*	12.5	6.7	*	12.5	9.4	*
Open Reduction of Hip Fracture	26	3.8	6.4	*	7.7	12.0	*	19.2	15.7	*
Prostatectomy	15	0.0	1.8	*	6.7	4.4	*	13.3	7.2	*
Cholecystectomy	27	0.0	4.5	*	0.0	8.0	*	0.0	10.0	*
Hysterectomy	13	0.0	0.5	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	188
Occupancy Rate	64
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	265
Percent of Physicians Board Certified Specialists	82
Medical Residents/Interns	0
Registered Nurses	165
Licensed Practical Nurses	44

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

THE PROVIDENCE HOSPITAL INC

Medicare Provider Number: 220023

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,391	9.8	10.2	0.9	15.4	15.4	1.1	19.8	19.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	36	22.2	29.1	*	25.0	32.2	*	30.6	35.5	*
Congestive Heart Failure	73	19.2	18.8	4.8	24.7	28.2	5.5	27.4	35.7	7.0
Pneumonia/Influenza	92	23.9	22.0	5.2	35.9	29.3	7.5	42.4	34.4	8.8
Chronic Obstructive Pulmonary Disease	25	4.0	6.7	*	12.0	12.3	*	12.0	17.0	*
Transient Cerebral Ischemia	18	0.0	2.5	*	0.0	5.4	*	0.0	8.4	*
Stroke	46	15.2	24.1	*	28.3	31.6	*	34.8	36.5	*
Hip Fracture	50	6.0	7.6	*	14.0	13.5	*	20.0	17.2	*
Sepsis	12	8.3	22.3	*	8.3	29.0	*	8.3	34.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.3	*	0.0	4.3	*	0.0	6.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	30	3.3	2.3	*	6.7	4.5	*	10.0	6.0	*
Open Reduction of Hip Fracture	27	7.4	7.0	*	11.1	13.2	*	18.5	17.1	*
Prostatectomy	37	0.0	0.9	*	0.0	2.2	*	2.7	3.6	*
Cholecystectomy	21	9.5	4.5	*	9.5	8.2	*	9.5	10.2	*
Hysterectomy	6	0.0	1.2	*	0.0	2.5	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,381	8.7	9.6	1.1	14.3	14.2	1.0	18.0	17.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	58	32.8	32.3	6.2	37.9	35.8	6.9	43.1	39.1	8.4
Congestive Heart Failure	58	13.8	17.0	6.0	27.6	25.0	6.3	29.3	31.5	6.8
Pneumonia/Influenza	84	19.0	19.0	4.5	22.6	25.5	6.3	27.4	30.4	6.6
Chronic Obstructive Pulmonary Disease	19	10.5	8.9	*	10.5	15.5	*	10.5	20.9	*
Transient Cerebral Ischemia	24	0.0	2.2	*	0.0	4.8	*	4.2	7.7	*
Stroke	38	18.4	23.6	*	28.9	29.6	*	34.2	34.0	*
Hip Fracture	36	2.8	8.4	*	11.1	14.8	*	19.4	18.7	*
Sepsis	9	44.4	24.3	*	44.4	31.3	*	44.4	36.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	5.4	*	6.7	9.2	*	13.3	12.7	*
Carotid Endarterectomy	1	0.0	1.3	*	0.0	2.4	*	0.0	3.6	*
Hip Replacement/Reconstruction	28	0.0	3.3	*	3.6	6.1	*	7.1	7.9	*
Open Reduction of Hip Fracture	18	5.6	8.2	*	11.1	15.2	*	22.2	19.6	*
Prostatectomy	35	0.0	1.0	*	0.0	2.5	*	0.0	4.2	*
Cholecystectomy	20	0.0	2.5	*	0.0	4.4	*	0.0	6.1	*
Hysterectomy	16	6.3	0.5	*	6.3	1.2	*	6.3	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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PROVIDENCE HOSPITAL

#220023

January 14, 1991

Mrs. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert

RE: 1987-1989 Medicare Hospital Mortality Rates

We are in receipt of the mortality data for fiscal years 1987 through 1989 and the mortality rates prescribed by HCFA for that data.

Although our observed rates are within the predicted ranges, we still are concerned that without the capacity to reflect differences in patient characteristics even those rates could well have little meaning.

The addition of the 30-90-180 day format only serves to raise additional questions as to the meaningfulness of the data and the assignment of the mortality to the hospital for those patients who died subsequent to discharge from this hospital.

We also note, as does HCFA, that the differences between the observed and predicted values for many of the categories may not be meaningful given such low incidence in our institution.

The medical staff of the Providence Hospital continues to conduct critical review of all deaths in the hospital as part of the ongoing quality assurance program. Our findings consistently support our claim of providing quality healthcare.

Sincerely

Alexander Stetynski, Jr.
President

AS/PM/mh

1233 MAIN STREET · HOLYOKE, MASSACHUSETTS 01040 · 413 536-5111
A Member of the Providence Systems

TOBEY HOSPITAL INC

43 High St
Wareham, MA 02571

Medicare Provider Number: 220074

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	921	8.1	9.0	1.6	12.2	13.8	2.3	15.9	17.5	2.6
CONDITIONS:										
Acute Myocardial Infarction	32	37.5	25.4	*	37.5	28.4	*	37.5	31.5	*
Congestive Heart Failure	47	12.8	15.9	*	23.4	24.9	*	40.4	32.2	*
Pneumonia/Influenza	54	25.9	19.2	8.3	33.3	26.0	7.8	33.3	30.9	6.9
Chronic Obstructive Pulmonary Disease	6	0.0	14.1	*	0.0	20.0	*	0.0	25.0	*
Transient Cerebral Ischemia	19	0.0	1.9	*	0.0	3.9	*	0.0	6.2	*
Stroke	44	11.4	19.2	*	20.5	26.2	*	20.5	30.8	*
Hip Fracture	24	4.2	5.7	*	4.2	10.3	*	12.5	13.6	*
Sepsis	3	0.0	15.4	*	0.0	22.3	*	33.3	27.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	21	0.0	2.5	*	0.0	4.8	*	0.0	6.6	*
Open Reduction of Hip Fracture	7	0.0	4.4	*	0.0	8.8	*	14.3	12.2	*
Prostatectomy	43	2.3	1.0	*	2.3	2.5	*	4.7	4.1	*
Cholecystectomy	15	0.0	1.9	*	0.0	3.2	*	0.0	4.2	*
Hysterectomy	2	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	89
Occupancy Rate	74
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	31
Percent of Physicians Board Certified Specialists	68
Medical Residents/Interns	0
Registered Nurses	61
Licensed Practical Nurses	20

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

TOBEY HOSPITAL INC

Medicare Provider Number: 220074

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	948	9.6	8.9	1.2	15.1	13.7	1.7	18.8	17.4	2.2
CONDITIONS:										
Acute Myocardial Infarction	25	16.0	26.5	*	16.0	29.8	*	20.0	33.1	*
Congestive Heart Failure	56	10.7	15.2	7.7	25.0	23.1	5.8	26.8	29.7	7.9
Pneumonia/Influenza	66	18.2	13.7	7.8	22.7	18.6	7.2	25.8	22.4	7.6
Chronic Obstructive Pulmonary Disease	1	0.0	8.8	*	0.0	14.2	*	0.0	18.1	*
Transient Cerebral Ischemia	16	6.3	2.4	*	12.5	5.3	*	12.5	8.5	*
Stroke	36	33.3	24.1	*	36.1	31.0	*	36.1	35.7	*
Hip Fracture	21	9.5	7.8	*	14.3	14.5	*	19.0	18.9	*
Sepsis	3	33.3	31.2	*	66.7	38.3	*	66.7	44.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	8.9	*	0.0	16.3	*	0.0	22.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	0.0	3.8	*	5.9	7.0	*	11.8	9.1	*
Open Reduction of Hip Fracture	7	14.3	6.6	*	14.3	12.5	*	14.3	16.4	*
Prostatectomy	32	3.1	1.4	*	6.3	3.2	*	18.8	5.2	*
Cholecystectomy	6	0.0	3.3	*	0.0	5.4	*	0.0	6.9	*
Hysterectomy	8	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	906	8.7	8.8	1.1	14.9	13.6	1.6	17.1	17.4	1.4
CONDITIONS:										
Acute Myocardial Infarction	29	27.6	25.8	*	41.4	29.2	*	44.8	32.6	*
Congestive Heart Failure	59	8.5	16.3	7.0	15.3	24.4	8.8	23.7	31.0	8.9
Pneumonia/Influenza	45	8.9	14.9	*	13.3	20.1	*	20.0	24.4	*
Chronic Obstructive Pulmonary Disease	10	10.0	12.4	*	30.0	23.0	*	30.0	31.6	*
Transient Cerebral Ischemia	16	0.0	1.9	*	6.3	4.2	*	6.3	6.7	*
Stroke	31	19.4	22.8	*	25.8	29.3	*	29.0	33.7	*
Hip Fracture	22	9.1	8.7	*	9.1	15.8	*	9.1	20.3	*
Sepsis	3	0.0	30.1	*	0.0	42.9	*	0.0	51.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	17	5.9	5.4	*	5.9	10.4	*	5.9	13.7	*
Open Reduction of Hip Fracture	8	12.5	7.8	*	12.5	14.7	*	12.5	19.0	*
Prostatectomy	32	0.0	1.2	*	3.1	3.0	*	3.1	5.2	*
Cholecystectomy	6	0.0	3.8	*	0.0	7.3	*	0.0	9.6	*
Hysterectomy	3	0.0	0.5	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

UNIVERSITY HOSPITAL

75 E Newton St
Boston, MA 02118

Medicare Provider Number: 220031

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,164	7.2	8.7	0.8	12.5	14.0	0.9	17.1	18.0	0.9
CONDITIONS:										
Acute Myocardial Infarction	60	13.3	25.0	8.0	18.3	29.2	7.2	28.3	33.1	6.3
Congestive Heart Failure	67	14.9	16.0	4.9	22.4	24.8	6.2	28.4	31.8	6.9
Pneumonia/Influenza	44	27.3	14.2	*	34.1	19.8	*	40.9	24.0	*
Chronic Obstructive Pulmonary Disease	11	0.0	8.6	*	27.3	14.9	*	27.3	20.6	*
Transient Cerebral Ischemia	15	0.0	1.6	*	6.7	3.4	*	20.0	5.2	*
Stroke	47	19.1	19.6	*	27.7	26.0	*	27.7	30.2	*
Hip Fracture	15	13.3	7.9	*	13.3	13.6	*	20.0	17.3	*
Sepsis	10	30.0	28.7	*	30.0	38.4	*	30.0	44.9	*
PROCEDURES:										
Angioplasty	69	1.4	2.6	2.1	2.9	4.1	3.5	10.1	5.6	3.4
Coronary Artery Bypass Graft	122	8.2	6.1	2.8	12.3	9.7	3.5	14.8	12.1	3.9
Initial Pacemaker Insertion	11	0.0	3.3	*	9.1	6.5	*	9.1	9.5	*
Carotid Endarterectomy	3	0.0	1.7	*	0.0	3.4	*	0.0	5.1	*
Hip Replacement/Reconstruction	16	0.0	4.3	*	0.0	7.9	*	6.3	10.6	*
Open Reduction of Hip Fracture	5	0.0	8.7	*	0.0	15.4	*	0.0	19.7	*
Prostatectomy	40	0.0	0.9	*	0.0	2.2	*	2.5	3.6	*
Cholecystectomy	28	3.6	4.5	*	7.1	8.3	*	14.3	11.0	*
Hysterectomy	7	0.0	1.3	*	0.0	3.0	*	0.0	4.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	379
Occupancy Rate	(Not Available)
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	404
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	171
Registered Nurses	511
Licensed Practical Nurses	12

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

UNIVERSITY HOSPITAL

Medicare Provider Number: 220031

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,106	6.6	8.3	0.9	12.6	13.6	0.9	17.0	17.7	0.9
CONDITIONS:										
Acute Myocardial Infarction	28	21.4	25.2	*	28.6	28.8	*	28.6	32.4	*
Congestive Heart Failure	55	14.5	17.2	5.8	29.1	26.2	7.6	40.0	33.4	11.5
Pneumonia/Influenza	40	15.0	13.8	*	15.0	18.6	*	17.5	22.7	*
Chronic Obstructive Pulmonary Disease	16	12.5	11.1	*	18.8	18.1	*	18.8	23.9	*
Transient Cerebral Ischemia	18	5.6	1.6	*	5.6	3.0	*	5.6	4.6	*
Stroke	45	20.0	24.6	*	33.3	31.9	*	33.3	36.5	*
Hip Fracture	20	15.0	8.3	*	20.0	15.4	*	25.0	19.8	*
Sepsis	9	22.2	29.7	*	44.4	41.4	*	66.7	49.5	*
PROCEDURES:										
Angioplasty	71	1.4	2.1	2.0	1.4	3.2	2.8	4.2	4.5	2.5
Coronary Artery Bypass Graft	122	6.6	6.9	3.5	9.0	10.8	2.9	13.9	13.2	3.1
Initial Pacemaker Insertion	1	0.0	5.0	*	0.0	7.5	*	0.0	10.2	*
Carotid Endarterectomy	3	0.0	1.6	*	0.0	2.9	*	0.0	4.1	*
Hip Replacement/Reconstruction	19	0.0	5.1	*	5.3	10.3	*	15.8	14.1	*
Open Reduction of Hip Fracture	7	14.3	6.5	*	14.3	12.2	*	28.6	15.7	*
Prostatectomy	30	0.0	1.3	*	0.0	3.3	*	3.3	5.5	*
Cholecystectomy	19	10.5	3.0	*	10.5	5.8	*	15.8	7.9	*
Hysterectomy	9	0.0	1.2	*	0.0	2.5	*	0.0	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,069	6.9	8.8	0.8	12.2	14.0	1.0	15.7	18.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	63	20.6	29.7	9.7	25.4	34.0	9.5	30.2	37.8	9.9
Congestive Heart Failure	63	12.7	18.6	7.7	17.5	27.6	9.2	23.8	34.6	10.3
Pneumonia/Influenza	31	19.4	17.7	*	19.4	24.3	*	22.6	29.2	*
Chronic Obstructive Pulmonary Disease	19	5.3	10.9	*	21.1	18.6	*	31.6	24.7	*
Transient Cerebral Ischemia	14	0.0	2.0	*	7.1	4.3	*	7.1	6.7	*
Stroke	33	12.1	22.1	*	21.2	29.2	*	24.2	33.8	*
Hip Fracture	20	20.0	9.3	*	20.0	16.6	*	30.0	21.1	*
Sepsis	17	29.4	36.3	*	41.2	46.7	*	47.1	54.1	*
PROCEDURES:										
Angioplasty	52	0.0	5.0	*	0.0	6.5	*	1.9	8.3	*
Coronary Artery Bypass Graft	92	6.5	8.1	3.1	12.0	11.7	3.4	15.2	13.8	3.7
Initial Pacemaker Insertion	6	0.0	3.6	*	0.0	7.3	*	0.0	10.5	*
Carotid Endarterectomy	5	0.0	1.3	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	11	18.2	4.4	*	18.2	8.5	*	18.2	11.5	*
Open Reduction of Hip Fracture	11	9.1	7.7	*	9.1	14.0	*	18.2	17.8	*
Prostatectomy	55	0.0	1.0	*	0.0	2.4	*	0.0	3.9	*
Cholecystectomy	16	6.3	2.2	*	6.3	3.7	*	6.3	4.8	*
Hysterectomy	9	0.0	1.1	*	0.0	2.5	*	0.0	4.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

BOSTON UNIVERSITY MEDICAL CENTER

357.1

The
University
Hospital

[illegible]
Boston Massachusetts
[illegible]

The University Hospital Medicare Provider No. 220031

COMMENTS ON HCFA'S MEDICARE INPATIENT MORTALITY STUDY

INTRODUCTION: The University Hospital of Boston, Massachusetts, appreciates this opportunity to comment on the mortality data to be released by HCFA. We share HCFA's belief that informing the public about the quality of health-care services will aid patients in making better decisions about where to seek health care; and we believe that, over time, patients will seek out reliable, verifiable measures of quality and make health-care decisions on the basis of these measures.

To the extent that one might believe HCFA's methodology, the results of this study would seem to confirm the high quality of patient care given at The University Hospital. However, despite this, we believe the study itself to be seriously flawed and therefore not credible.

THE HOSPITAL: The University Hospital is a 379-bed tertiary referral hospital, providing acute adult medical, surgical and psychiatric care. The Hospital offers a broad range of specialty services (excluding Obstetrics, Pediatrics and Neonatal Care), with special emphasis on Cardiovascular Care, Neurological Trauma and Disorders and Geriatric Care. These areas of emphasis generate tertiary patient referrals from a broad geographical area, including Eastern Massachusetts, New England and many countries around the world.

As a tertiary referral center, The University Hospital treats patients of unusually high complexity and illness severity. These patients include those whose care cannot be provided in a community hospital, either because of the need for procedures or equipment available only at a tertiary referral center, or because the patients' complications make them too ill for treatment in the community setting. This high level of patient illness complexity and severity must be kept in mind when one looks at mortality rate data for tertiary referral hospitals such as The University Hospital.

THE STUDY'S METHODOLOGY: Despite our agreement with the goals of HCFA's study, The University Hospital believes the methodology used is severely flawed, and that the results are not meaningful. We will not attempt here to lay out all of the methodological difficulties, but instead highlight those of greatest concern.

1. The quality of care cannot be equated with mortality rates: Equating quality of care with mortality rates is a serious mistake. A severely ill patient who dies was not necessarily poorly treated; conversely, a patient who is poorly treated will not necessarily die of that treatment.

2. The HCFA methodology may "credit" the wrong institution for a patient's death": The inaccuracy of the HCFA methodology is further exacerbated by the way in which it "credits" a death to the last hospital treating a patient. Hence, if a patient's condition seriously declines at one hospital, and that patient is then transferred to a referral facility for heroic measures, the first hospital escapes the notice, while the referral facility is recorded as accountable for the patient's death.

3. The HCFA methodology attributes death to a hospital even if the cause of death is unrelated to the hospital care: The HCFA methodology can "credit" a death to a hospital whether or not the cause of death was related to a hospital treatment--or even to the underlying illness. As a result, the hospital would be held accountable even for the death of a totally cured patient who is killed in a traffic accident on his way home from the hospital!

4. HCFA's methodology makes no distinction between patients who die because of low quality care and those who are dying when admitted: Tertiary referral hospitals frequently receive transferred patients whose illness is so advanced that the chances of recovery are small, and for whom treatment offers little hope. When such a patients dies, it is usually not a reflection on the quality of care, but rather on the severity of illness. The HCFA methodology ignores this reality and thus fails to distinguish these terminally ill patients from those who might be--and are not--cured.

5. The HCFA methodology recognizes only a limited number of factors as affecting projected mortality rates: By adjusting mortality rate projections to reflect complicating health factors, HCFA explicitly recognizes the need to factor illness complexity into its study. Unfortunately, the list of factors used by HCFA is far from comprehensive. For example, the number and intensity of secondary procedures is not adequate to reflect the true risk in tertiary care. This results in an understated measure of the complexity of patient illness and unrealistically low mortality rate projections.

6. The sample sizes presented in HCFA's study are frequently too small to be statistically significant: The number of statistically significant observed cases for most University Hospital categories is often below HCFA's cutoff of fifty or fewer cases per category. While HCFA's methodology is correct in not estimating a standard deviation for these low population categories, it is still misleading to the lay person to present a hospital's observed mortality rate for a statistically insignificant population next to HCFA's predicted mortality rate without explicitly stating that such comparisons are statistically irrelevant.

UNIVERSITY OF MASS MEDICAL CENTER

55 Lake Ave N
Worcester, MA 01605

Medicare Provider Number: 220163

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,780	8.7	10.0	0.9	14.4	15.2	1.1	18.0	19.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	75	21.3	26.5	7.4	28.0	30.0	6.2	32.0	33.2	5.9
Congestive Heart Failure	67	17.9	15.0	5.1	28.4	23.1	8.3	32.8	30.0	9.2
Pneumonia/Influenza	46	6.5	14.8	*	10.9	20.0	*	17.4	24.2	*
Chronic Obstructive Pulmonary Disease	14	7.1	10.9	*	21.4	18.4	*	21.4	24.4	*
Transient Cerebral Ischemia	15	0.0	1.7	*	6.7	3.7	*	6.7	5.8	*
Stroke	37	24.3	21.9	*	29.7	28.6	*	32.4	33.0	*
Hip Fracture	22	4.5	7.6	*	4.5	13.3	*	9.1	17.1	*
Sepsis	10	40.0	19.9	*	50.0	31.2	*	70.0	39.0	*
PROCEDURES:										
Angioplasty	47	4.3	2.3	*	6.4	3.4	*	6.4	4.6	*
Coronary Artery Bypass Graft	118	7.6	6.3	2.5	11.9	9.3	3.6	11.9	11.1	4.1
Initial Pacemaker Insertion	13	0.0	2.8	*	0.0	5.6	*	0.0	8.4	*
Carotid Endarterectomy	6	0.0	1.8	*	0.0	3.1	*	0.0	4.4	*
Hip Replacement/Reconstruction	25	0.0	4.3	*	0.0	8.2	*	8.0	11.0	*
Open Reduction of Hip Fracture	5	0.0	7.1	*	0.0	12.1	*	0.0	15.2	*
Prostatectomy	37	0.0	1.0	*	0.0	2.3	*	0.0	3.7	*
Cholecystectomy	18	5.6	4.6	*	5.6	7.2	*	11.1	8.8	*
Hysterectomy	23	4.3	2.1	*	4.3	4.4	*	4.3	6.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	360
Occupancy Rate	87
Ownership/Control	State Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	673
Percent of Physicians Board Certified Specialists	88
Medical Residents/Interns	234
Registered Nurses	490
Licensed Practical Nurses	5

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

UNIVERSITY OF MASS MEDICAL CENTER

Medicare Provider Number: 220163

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,980	9.4	10.7	0.9	14.1	15.6	1.2	17.7	19.4	1.4
CONDITIONS:										
Acute Myocardial Infarction	83	26.5	24.2	6.9	30.1	27.4	6.7	33.7	30.9	7.0
Congestive Heart Failure	68	16.2	15.0	5.3	23.5	22.9	5.1	25.0	29.5	6.5
Pneumonia/Influenza	39	12.8	18.2	*	15.4	25.5	*	23.1	30.6	*
Chronic Obstructive Pulmonary Disease	14	7.1	6.6	*	7.1	10.9	*	7.1	14.7	*
Transient Cerebral Ischemia	17	0.0	2.0	*	5.9	4.1	*	11.8	6.2	*
Stroke	57	22.8	23.2	6.3	28.1	29.6	6.3	29.8	34.1	7.0
Hip Fracture	13	0.0	6.6	*	0.0	11.3	*	0.0	14.0	*
Sepsis	7	42.9	30.5	*	57.1	42.9	*	57.1	50.5	*
PROCEDURES:										
Angioplasty	43	2.3	3.5	*	2.3	4.5	*	2.3	5.7	*
Coronary Artery Bypass Graft	118	5.1	7.8	4.6	9.3	10.9	5.9	10.2	12.9	5.0
Initial Pacemaker Insertion	8	0.0	7.3	*	12.5	11.1	*	25.0	14.2	*
Carotid Endarterectomy	13	0.0	1.4	*	7.7	2.7	*	15.4	3.9	*
Hip Replacement/Reconstruction	24	0.0	2.2	*	0.0	4.1	*	0.0	5.5	*
Open Reduction of Hip Fracture	11	0.0	4.4	*	0.0	8.2	*	0.0	10.8	*
Prostatectomy	54	0.0	0.6	*	0.0	1.5	*	0.0	2.5	*
Cholecystectomy	23	4.3	5.4	*	17.4	10.0	*	21.7	13.1	*
Hysterectomy	20	5.0	1.2	*	5.0	2.8	*	5.0	4.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,617	9.0	10.8	0.9	13.5	16.0	1.1	16.9	19.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	65	35.4	24.9	10.6	40.0	28.6	10.7	41.5	32.2	10.5
Congestive Heart Failure	61	16.4	17.9	5.0	21.3	26.8	6.3	31.1	34.1	6.3
Pneumonia/Influenza	45	11.1	18.0	*	11.1	24.7	*	13.3	29.7	*
Chronic Obstructive Pulmonary Disease	20	0.0	11.0	*	0.0	18.0	*	10.0	23.6	*
Transient Cerebral Ischemia	16	6.3	2.1	*	6.3	4.3	*	6.3	6.5	*
Stroke	44	11.4	22.1	*	13.6	28.1	*	18.2	32.1	*
Hip Fracture	15	6.7	6.0	*	6.7	10.7	*	6.7	13.8	*
Sepsis	10	50.0	30.5	*	60.0	41.5	*	60.0	48.6	*
PROCEDURES:										
Angioplasty	26	3.8	4.7	*	7.7	5.8	*	7.7	7.1	*
Coronary Artery Bypass Graft	99	7.1	8.5	4.8	9.1	11.9	5.4	10.1	14.0	5.6
Initial Pacemaker Insertion	24	0.0	2.1	*	0.0	4.6	*	0.0	7.0	*
Carotid Endarterectomy	6	0.0	1.7	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	16	0.0	2.7	*	0.0	5.5	*	0.0	8.1	*
Open Reduction of Hip Fracture	9	11.1	5.7	*	11.1	11.0	*	11.1	14.5	*
Prostatectomy	44	0.0	1.5	*	4.5	3.6	*	6.8	5.8	*
Cholecystectomy	24	0.0	7.7	*	4.2	10.9	*	4.2	12.9	*
Hysterectomy	13	0.0	1.7	*	0.0	3.5	*	0.0	5.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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University of Massachusetts Medical Center
Department of Medicine
55 Lake Avenue, North • Worcester, Massachusetts 01655

S. KEITH COLLINS, M.D.
Medical Director of Quality Assurance
Director of Clinical Computing
(508) 856-4960

January 11, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

The University of Massachusetts Medical Center strives constantly to deliver the highest possible quality of care to our patients. In this spirit, we view any information on patient outcomes as an opportunity to further our efforts.

Each year, the HCFA mortality data gives us an opportunity to measure the effectiveness of our care against a national database, and to reflect on the quality of care we offer. Notwithstanding the limitations of the data, we find it a valuable exercise.

We are pleased to see that once again our mortality statistics are well within the predicted ranges for all categories. This is particularly gratifying in view of the fact that, as a tertiary care teaching hospital, the severity of illness of our patients is far higher than the norm for other hospitals.

We will incorporate these data into our ongoing process of self-monitoring and self-evaluation, as we fulfill our commitment to continually devise ever more effective methods of care.

Sincerely,

Keith Collins MD

Keith Collins, M.D.
Associate Chief of Staff

WALTHAM HOSPITAL

Hope Ave
Waltham, MA 02154

Medicare Provider Number: 220076

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,881	7.2	10.2	0.8	12.3	15.2	0.9	15.8	19.2	1.0
CONDITIONS:										
Acute Myocardial Infarction	54	24.1	31.8	8.9	25.9	35.9	9.6	31.5	39.7	9.2
Congestive Heart Failure	103	12.6	18.1	6.9	25.2	27.2	6.2	29.1	34.5	7.4
Pneumonia/Influenza	98	13.3	17.6	6.5	18.4	23.8	7.6	20.4	28.4	9.1
Chronic Obstructive Pulmonary Disease	25	4.0	8.2	*	4.0	13.9	*	16.0	18.7	*
Transient Cerebral Ischemia	31	0.0	1.8	*	0.0	3.8	*	0.0	6.0	*
Stroke	67	11.9	20.1	7.3	25.4	26.7	6.3	28.4	31.1	6.2
Hip Fracture	61	13.1	7.7	6.4	16.4	13.2	6.1	18.0	16.6	5.2
Sepsis	17	11.8	28.1	*	29.4	35.8	*	29.4	41.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	2.8	*	9.1	6.0	*	9.1	9.3	*
Carotid Endarterectomy	5	0.0	2.0	*	0.0	3.8	*	0.0	5.7	*
Hip Replacement/Reconstruction	24	8.3	5.5	*	12.5	9.8	*	12.5	12.6	*
Open Reduction of Hip Fracture	36	8.3	6.6	*	11.1	11.9	*	13.9	15.3	*
Prostatectomy	66	0.0	1.2	*	0.0	2.9	*	0.0	5.0	*
Cholecystectomy	16	0.0	5.4	*	0.0	7.9	*	0.0	9.1	*
Hysterectomy	19	0.0	3.1	*	5.3	4.2	*	5.3	5.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	275
Occupancy Rate	54
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	162
Percent of Physicians Board Certified Specialists	96
Medical Residents/Interns	5
Registered Nurses	167
Licensed Practical Nurses	31

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WALTHAM HOSPITAL

Medicare Provider Number: 220076

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,890	7.0	10.5	0.8	11.9	15.6	0.9	15.4	19.5	1.0
CONDITIONS:										
Acute Myocardial Infarction	62	25.8	31.1	6.9	33.9	35.2	6.4	33.9	39.2	7.2
Congestive Heart Failure	114	14.9	18.6	5.5	24.6	28.3	5.2	29.8	35.9	6.6
Pneumonia/Influenza	102	12.7	18.4	7.1	17.6	25.1	8.5	22.5	29.9	9.2
Chronic Obstructive Pulmonary Disease	17	5.9	6.5	*	11.8	10.4	*	17.6	13.7	*
Transient Cerebral Ischemia	31	0.0	2.3	*	0.0	5.1	*	3.2	8.0	*
Stroke	73	13.7	23.9	8.2	20.5	30.3	9.0	24.7	34.9	9.2
Hip Fracture	54	5.6	9.0	4.6	9.3	15.6	7.0	13.0	19.5	8.9
Sepsis	23	47.8	29.7	*	52.2	36.5	*	52.2	41.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	17	11.8	5.5	*	23.5	10.3	*	29.4	14.3	*
Carotid Endarterectomy	3	33.3	1.6	*	33.3	2.8	*	33.3	4.0	*
Hip Replacement/Reconstruction	21	4.8	6.1	*	9.5	11.4	*	9.5	14.6	*
Open Reduction of Hip Fracture	33	6.1	8.5	*	9.1	15.4	*	15.2	19.5	*
Prostatectomy	56	1.8	1.1	1.8	1.8	2.6	3.3	5.4	4.3	3.1
Cholecystectomy	24	0.0	5.2	*	0.0	9.7	*	4.2	13.1	*
Hysterectomy	16	0.0	0.4	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,922	8.8	10.4	1.1	13.6	15.6	1.1	17.0	19.6	1.1
CONDITIONS:										
Acute Myocardial Infarction	75	37.3	32.5	8.8	46.7	37.4	10.3	46.7	41.5	8.7
Congestive Heart Failure	116	9.5	17.9	4.8	19.8	26.5	5.5	22.4	33.5	5.8
Pneumonia/Influenza	69	17.4	18.0	5.7	23.2	24.6	7.7	27.5	29.5	6.7
Chronic Obstructive Pulmonary Disease	23	4.3	11.7	*	13.0	19.0	*	17.4	24.6	*
Transient Cerebral Ischemia	27	0.0	2.4	*	7.4	5.2	*	7.4	8.2	*
Stroke	93	18.3	25.3	7.0	25.8	31.7	6.3	31.2	36.2	6.2
Hip Fracture	65	3.1	6.3	3.5	6.2	11.6	4.9	13.8	15.0	4.5
Sepsis	16	31.3	24.9	*	37.5	32.8	*	43.8	38.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	9.1	5.7	*	18.2	10.0	*	22.7	13.5	*
Carotid Endarterectomy	1	0.0	3.9	*	0.0	8.3	*	0.0	12.4	*
Hip Replacement/Reconstruction	29	3.4	4.9	*	6.9	9.4	*	13.8	12.4	*
Open Reduction of Hip Fracture	36	2.8	5.5	*	5.6	10.7	*	13.9	14.3	*
Prostatectomy	72	0.0	1.2	1.6	1.4	2.7	2.3	4.2	4.5	3.7
Cholecystectomy	27	7.4	4.9	*	7.4	8.7	*	7.4	11.2	*
Hysterectomy	7	0.0	0.6	*	0.0	1.5	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WHIDDEN MEMORIAL HOSPITAL

103 Garland Street
Everett, MA 02149

Medicare Provider Number: 220042

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	1,603	7.9	9.7	1.1	13.6	15.0	1.3	17.2	19.1	1.4
CONDITIONS:										
Acute Myocardial Infarction	89	23.6	26.1	5.2	29.2	29.7	4.9	32.6	33.1	5.0
Congestive Heart Failure	104	8.7	17.1	4.9	18.3	26.8	6.0	26.9	34.3	5.6
Pneumonia/Influenza	76	14.5	17.7	6.1	23.7	23.9	7.1	27.6	28.8	5.4
Chronic Obstructive Pulmonary Disease	45	2.2	5.6	*	4.4	11.9	*	15.6	18.1	*
Transient Cerebral Ischemia	24	0.0	1.9	*	0.0	4.2	*	8.3	6.8	*
Stroke	49	20.4	20.5	*	22.4	27.6	*	30.6	31.9	*
Hip Fracture	38	5.3	8.5	*	15.8	15.0	*	18.4	19.0	*
Sepsis	27	14.8	25.8	*	18.5	31.4	*	25.9	36.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	4.4	*	8.3	7.5	*	8.3	10.0	*
Carotid Endarterectomy	4	0.0	1.6	*	25.0	2.9	*	25.0	4.2	*
Hip Replacement/Reconstruction	21	0.0	4.5	*	14.3	8.6	*	19.0	11.6	*
Open Reduction of Hip Fracture	20	10.0	8.6	*	20.0	15.7	*	20.0	20.1	*
Prostatectomy	32	0.0	1.0	*	0.0	2.3	*	0.0	3.8	*
Cholecystectomy	18	5.6	3.4	*	5.6	6.5	*	5.6	8.8	*
Hysterectomy	2	50.0	3.5	*	50.0	7.5	*	50.0	12.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	163
Occupancy Rate	83
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	74
Percent of Physicians Board Certified Specialists	65
Medical Residents/Interns	0
Registered Nurses	107
Licensed Practical Nurses	28

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WHIDDEN MEMORIAL HOSPITAL

Medicare Provider Number: 220042

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,806	9.6	10.4	0.9	14.2	15.7	1.1	17.7	19.8	1.4
CONDITIONS:										
Acute Myocardial Infarction	89	33.7	26.4	10.3	37.1	29.9	10.0	40.4	33.4	9.5
Congestive Heart Failure	92	9.8	16.9	5.5	13.0	25.3	6.9	19.6	32.3	7.3
Pneumonia/Influenza	143	10.5	18.2	4.2	16.1	24.4	4.6	18.2	29.2	5.5
Chronic Obstructive Pulmonary Disease	51	3.9	6.5	4.1	3.9	12.4	7.0	5.9	17.3	9.0
Transient Cerebral Ischemia	24	0.0	1.9	*	0.0	4.4	*	4.2	7.1	*
Stroke	74	28.4	22.7	8.1	40.5	30.4	9.5	45.9	35.3	10.7
Hip Fracture	38	7.9	7.4	*	13.2	13.2	*	15.8	16.8	*
Sepsis	20	30.0	32.1	*	30.0	38.8	*	40.0	44.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	6.3	*	0.0	11.5	*	0.0	16.0	*
Carotid Endarterectomy	13	0.0	1.6	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	21	0.0	4.9	*	4.8	9.1	*	19.0	11.8	*
Open Reduction of Hip Fracture	24	8.3	6.4	*	12.5	12.1	*	12.5	15.7	*
Prostatectomy	39	0.0	0.9	*	2.6	2.0	*	10.3	3.1	*
Cholecystectomy	20	0.0	3.3	*	5.0	5.8	*	5.0	7.2	*
Hysterectomy	6	16.7	1.3	*	16.7	3.0	*	33.3	4.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,702	8.0	10.7	1.0	13.0	16.0	1.2	17.6	20.1	1.2
CONDITIONS:										
Acute Myocardial Infarction	75	21.3	28.8	8.2	26.7	32.3	7.8	32.0	35.9	6.7
Congestive Heart Failure	95	12.6	19.4	5.7	21.1	29.2	7.4	27.4	36.7	8.0
Pneumonia/Influenza	114	14.9	19.6	5.9	20.2	26.1	6.5	23.7	31.1	7.7
Chronic Obstructive Pulmonary Disease	57	5.3	6.9	3.6	12.3	12.5	4.4	15.8	17.2	5.2
Transient Cerebral Ischemia	37	5.4	2.6	*	5.4	5.5	*	8.1	8.7	*
Stroke	69	13.0	21.8	8.0	18.8	29.0	8.2	24.6	33.5	7.7
Hip Fracture	58	5.2	7.9	4.3	10.3	14.0	6.7	10.3	17.8	8.0
Sepsis	13	30.8	24.6	*	30.8	30.3	*	30.8	35.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	2.8	*	0.0	5.8	*	0.0	9.0	*
Carotid Endarterectomy	6	0.0	2.3	*	0.0	4.1	*	0.0	5.9	*
Hip Replacement/Reconstruction	27	7.4	5.3	*	7.4	9.9	*	7.4	13.0	*
Open Reduction of Hip Fracture	33	3.0	7.6	*	12.1	14.0	*	12.1	18.0	*
Prostatectomy	25	4.0	1.2	*	4.0	3.1	*	12.0	5.4	*
Cholecystectomy	12	8.3	4.4	*	8.3	8.2	*	16.7	10.5	*
Hysterectomy	5	0.0	0.3	*	0.0	0.6	*	20.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WINCHESTER HOSPITAL

41 Highland Ave
Winchester, MA 01890

Medicare Provider Number: 220105

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,660	7.2	9.5	0.9	12.2	14.8	1.2	15.4	18.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	53	24.5	28.0	7.4	28.3	31.8	7.0	30.2	35.6	8.0
Congestive Heart Failure	78	19.2	16.8	4.7	26.9	26.5	5.6	32.1	34.0	7.1
Pneumonia/Influenza	72	6.9	18.4	7.3	16.7	25.1	7.4	22.2	30.0	7.0
Chronic Obstructive Pulmonary Disease	22	4.5	10.6	*	18.2	20.4	*	31.8	28.6	*
Transient Cerebral Ischemia	32	3.1	1.8	*	3.1	3.9	*	3.1	6.3	*
Stroke	60	15.0	22.0	8.0	21.7	28.7	8.7	23.3	33.2	10.4
Hip Fracture	60	3.3	6.2	5.6	6.7	11.3	8.2	10.0	14.9	7.6
Sepsis	15	26.7	28.9	*	33.3	39.4	*	40.0	46.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	3.4	*	0.0	7.5	*	0.0	11.7	*
Carotid Endarterectomy	5	0.0	1.7	*	0.0	3.2	*	0.0	4.7	*
Hip Replacement/Reconstruction	36	2.8	3.3	*	2.8	6.4	*	2.8	8.6	*
Open Reduction of Hip Fracture	27	0.0	6.2	*	7.4	11.6	*	11.1	15.1	*
Prostatectomy	32	0.0	1.1	*	0.0	2.6	*	3.1	4.3	*
Cholecystectomy	29	0.0	3.6	*	0.0	6.8	*	3.4	9.1	*
Hysterectomy	12	0.0	0.5	*	0.0	1.2	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	222
Occupancy Rate	56
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	106
Percent of Physicians Board Certified Specialists	80
Medical Residents/Interns	0
Registered Nurses	208
Licensed Practical Nurses	48

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WINCHESTER HOSPITAL

Medicare Provider Number: 220105

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,653	7.7	8.9	1.0	12.8	14.1	1.1	16.7	18.2	1.1
CONDITIONS:										
Acute Myocardial Infarction	57	36.8	29.1	8.6	40.4	32.6	9.8	43.9	36.2	9.5
Congestive Heart Failure	73	17.8	17.1	6.7	24.7	26.5	5.5	37.0	33.9	7.3
Pneumonia/Influenza	54	18.5	19.2	5.5	29.6	26.5	6.4	42.6	31.8	8.4
Chronic Obstructive Pulmonary Disease	14	14.3	12.2	*	28.6	20.4	*	35.7	27.0	*
Transient Cerebral Ischemia	20	0.0	2.5	*	5.0	5.4	*	5.0	8.6	*
Stroke	48	14.6	20.7	*	20.8	27.1	*	22.9	31.6	*
Hip Fracture	42	0.0	6.3	*	7.1	12.1	*	14.3	16.1	*
Sepsis	7	14.3	18.7	*	14.3	25.5	*	28.6	31.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	4.5	*	0.0	8.0	*	14.3	11.2	*
Carotid Endarterectomy	4	0.0	1.7	*	0.0	3.1	*	0.0	4.6	*
Hip Replacement/Reconstruction	24	0.0	2.2	*	4.2	4.4	*	4.2	6.0	*
Open Reduction of Hip Fracture	27	0.0	5.9	*	7.4	11.6	*	14.8	15.7	*
Prostatectomy	34	0.0	1.1	*	0.0	2.7	*	0.0	4.6	*
Cholecystectomy	22	9.1	2.2	*	9.1	4.2	*	9.1	5.7	*
Hysterectomy	8	0.0	1.2	*	0.0	2.2	*	0.0	3.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,550	7.8	9.3	0.9	13.4	14.8	1.1	16.8	19.2	1.3
CONDITIONS:										
Acute Myocardial Infarction	74	24.3	28.7	6.7	31.1	32.4	6.2	32.4	36.0	6.1
Congestive Heart Failure	62	16.1	16.3	4.7	27.4	25.3	6.0	33.9	32.8	6.1
Pneumonia/Influenza	56	12.5	18.2	6.3	25.0	24.2	5.9	30.4	29.0	6.3
Chronic Obstructive Pulmonary Disease	17	11.8	10.2	*	29.4	17.9	*	29.4	24.0	*
Transient Cerebral Ischemia	26	7.7	2.0	*	7.7	4.5	*	11.5	7.2	*
Stroke	55	23.6	20.7	6.1	29.1	28.1	6.1	32.7	32.8	6.5
Hip Fracture	34	2.9	6.3	*	11.8	11.9	*	17.6	15.9	*
Sepsis	10	20.0	37.9	*	20.0	46.9	*	20.0	53.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	4.1	*	10.0	7.8	*	20.0	11.3	*
Carotid Endarterectomy	2	0.0	1.8	*	0.0	3.3	*	0.0	4.7	*
Hip Replacement/Reconstruction	25	0.0	5.8	*	12.0	10.7	*	16.0	14.0	*
Open Reduction of Hip Fracture	19	5.3	5.4	*	15.8	10.6	*	15.8	14.3	*
Prostatectomy	32	0.0	1.0	*	3.1	2.6	*	6.3	4.4	*
Cholecystectomy	28	3.6	3.1	*	10.7	5.9	*	17.9	8.3	*
Hysterectomy	6	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

365.1

WINCHESTER
HOSPITAL

Regional Family Healthcare System

Prov. No. 220105

January 14, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD. 21207

Dear Mrs. Kappert:

Winchester Hospital has reviewed the 1989 Mortality Information Report and would like to offer the following comments.

The overall mortality rate for all cases of death at Winchester Hospital was 7.2 percent for patients deceased within 30 days, 12.2 for patients deceased within 90 days, and 15.4 for patients deceased within 180 days of hospitalization. The observed mortality rates were below the predicted rates for all three time-frames. A review of data for 1987-1988 showed overall mortality trends below predicted ranges. Further observation by condition identified no patterns or trends across the three-year time span.

Further analysis was done for Congestive Heart Failure as the observed rate was higher than the predicted rate for mortalities occurring within 30 and 90 days of discharge. It should be noted, however, that the observed rates were well within the 95 percent confidence range. Patient specific data was reviewed. No patterns or trends were identified.

Winchester Hospital has been a Medisgroup client since June, 1989 and utilizes the comparative data available on the national data base to determine statistical significance for quality assessment review. For the period of July 1, 1989 through June 30, 1990, DRG 127 - Heart Failure and Shock, Winchester Hospital patients had better than predicted outcomes for morbidity, major morbidity and mortality when compared to the national data base.

41 Highland Avenue
Winchester
Massachusetts
01890

617-729-9000

Winchester Hospital is committed to an effective and measurable quality assurance program. We are glad to have had the opportunity to review this data and respond to its contents.

Sincerely,

E. E. Loubier

Eugene E. Loubier
President

WING MEMORIAL HOSPITAL

Wright St
Palmer, MA 01069

Medicare Provider Number: 220030

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	683	7.5	8.9	1.8	12.4	13.7	2.0	16.1	17.5	2.0
CONDITIONS:										
Acute Myocardial Infarction	24	29.2	27.1	*	29.2	31.2	*	29.2	34.9	*
Congestive Heart Failure	42	4.8	15.5	*	14.3	23.8	*	16.7	30.6	*
Pneumonia/Influenza	43	14.0	13.9	*	18.6	19.3	*	25.6	23.5	*
Chronic Obstructive Pulmonary Disease	2	50.0	18.2	*	50.0	31.7	*	50.0	41.2	*
Transient Cerebral Ischemia	9	0.0	2.0	*	11.1	4.7	*	11.1	7.6	*
Stroke	25	20.0	22.9	*	24.0	29.7	*	28.0	34.2	*
Hip Fracture	16	12.5	9.3	*	18.8	16.1	*	25.0	20.3	*
Sepsis	9	0.0	18.4	*	11.1	27.5	*	33.3	33.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.6	*	0.0	3.6	*	0.0	5.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	0.0	5.1	*	9.1	10.3	*	9.1	14.7	*
Open Reduction of Hip Fracture	9	11.1	9.8	*	11.1	17.5	*	22.2	22.1	*
Prostatectomy	11	9.1	2.1	*	9.1	3.4	*	9.1	5.0	*
Cholecystectomy	14	0.0	2.8	*	0.0	4.7	*	0.0	5.9	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	70
Occupancy Rate	71
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	37
Percent of Physicians Board Certified Specialists	73
Medical Residents/Interns	0
Registered Nurses	58
Licensed Practical Nurses	11

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WING MEMORIAL HOSPITAL

Medicare Provider Number: 220030

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	678	6.9	8.8	1.3	10.5	13.5	1.7	13.0	17.1	2.1
CONDITIONS:										
Acute Myocardial Infarction	26	26.9	22.9	*	30.8	26.6	*	34.6	30.2	*
Congestive Heart Failure	40	10.0	14.6	*	10.0	22.5	*	10.0	29.1	*
Pneumonia/Influenza	28	10.7	17.7	*	21.4	23.8	*	21.4	28.3	*
Chronic Obstructive Pulmonary Disease	1	0.0	16.2	*	100.0	24.1	*	100.0	29.9	*
Transient Cerebral Ischemia	10	0.0	2.7	*	0.0	6.2	*	0.0	9.9	*
Stroke	21	14.3	19.4	*	33.3	26.4	*	47.6	30.8	*
Hip Fracture	13	0.0	6.1	*	0.0	11.4	*	7.7	14.9	*
Sepsis	6	16.7	30.3	*	16.7	37.0	*	16.7	42.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	40.0	7.8	*	60.0	13.5	*	60.0	17.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	4.1	*	0.0	8.5	*	0.0	11.6	*
Open Reduction of Hip Fracture	11	0.0	5.2	*	0.0	9.8	*	9.1	13.0	*
Prostatectomy	19	0.0	1.1	*	0.0	2.8	*	0.0	4.7	*
Cholecystectomy	13	0.0	1.5	*	0.0	2.9	*	0.0	4.1	*
Hysterectomy	5	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	637	7.7	9.0	1.3	11.3	13.8	1.8	14.6	17.5	2.0
CONDITIONS:										
Acute Myocardial Infarction	31	25.8	24.4	*	29.0	28.3	*	32.3	32.1	*
Congestive Heart Failure	34	11.8	18.5	*	32.4	28.2	*	41.2	35.9	*
Pneumonia/Influenza	24	20.8	17.4	*	20.8	24.0	*	29.2	28.8	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	15	0.0	2.7	*	0.0	6.1	*	0.0	9.7	*
Stroke	26	11.5	23.4	*	15.4	30.6	*	23.1	35.1	*
Hip Fracture	11	9.1	4.8	*	9.1	9.2	*	9.1	12.5	*
Sepsis	8	37.5	27.2	*	37.5	36.9	*	37.5	43.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	5.5	*	25.0	11.5	*	25.0	17.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	3.3	*	0.0	6.8	*	0.0	9.7	*
Open Reduction of Hip Fracture	6	16.7	4.9	*	16.7	9.5	*	16.7	12.8	*
Prostatectomy	17	0.0	1.2	*	5.9	2.7	*	5.9	4.5	*
Cholecystectomy	15	6.7	1.9	*	6.7	3.4	*	6.7	4.6	*
Hysterectomy	5	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WINTHROP COMMUNITY HOSPITAL

40 Lincoln St
Winthrop, MA 02152

Medicare Provider Number: 220097

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	764	9.4	10.3	1.4	14.9	15.4	1.6	18.2	19.6	2.2
CONDITIONS:										
Acute Myocardial Infarction	46	23.9	22.4	*	30.4	26.2	*	30.4	29.6	*
Congestive Heart Failure	77	9.1	16.9	5.8	19.5	25.6	5.9	23.4	32.7	7.5
Pneumonia/Influenza	68	10.3	17.6	9.0	17.6	23.4	9.0	20.6	28.1	11.0
Chronic Obstructive Pulmonary Disease	33	3.0	5.0	*	3.0	10.6	*	3.0	15.6	*
Transient Cerebral Ischemia	13	0.0	1.6	*	7.7	3.6	*	15.4	5.7	*
Stroke	24	20.8	22.6	*	29.2	30.5	*	33.3	35.4	*
Hip Fracture	19	0.0	6.8	*	5.3	12.2	*	10.5	15.7	*
Sepsis	4	0.0	27.9	*	0.0	35.5	*	25.0	41.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	6.1	*	0.0	10.0	*	0.0	12.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	6.1	*	0.0	11.6	*	0.0	15.2	*
Open Reduction of Hip Fracture	12	0.0	6.3	*	0.0	11.8	*	8.3	15.5	*
Prostatectomy	11	0.0	0.6	*	0.0	1.5	*	0.0	2.5	*
Cholecystectomy	3	33.3	10.1	*	33.3	14.1	*	33.3	16.4	*
Hysterectomy	1	0.0	2.7	*	0.0	6.4	*	0.0	10.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	103
Occupancy Rate	82
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	61
Percent of Physicians Board Certified Specialists	61
Medical Residents/Interns	0
Registered Nurses	41
Licensed Practical Nurses	35

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

*** Not used in calculating hospital mortality rates.**

WINTHROP COMMUNITY HOSPITAL

Medicare Provider Number: 220097

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	800	13.0	12.1	2.1	18.7	17.5	2.2	22.9	21.7	2.6
CONDITIONS:										
Acute Myocardial Infarction	61	21.3	30.9	7.2	24.6	34.9	7.9	26.2	38.7	8.3
Congestive Heart Failure	44	11.4	17.2	*	18.2	24.9	*	22.7	31.8	*
Pneumonia/Influenza	68	22.1	20.4	5.4	30.9	27.8	6.7	35.3	33.1	6.0
Chronic Obstructive Pulmonary Disease	27	0.0	5.1	*	3.7	9.7	*	3.7	13.9	*
Transient Cerebral Ischemia	18	0.0	1.9	*	0.0	4.2	*	0.0	6.6	*
Stroke	29	27.6	23.8	*	34.5	32.2	*	37.9	37.4	*
Hip Fracture	36	2.8	6.5	*	13.9	12.0	*	13.9	15.4	*
Sepsis	7	42.9	35.0	*	42.9	41.1	*	71.4	46.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	6.9	*	0.0	9.3	*	0.0	11.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	4.0	*	0.0	8.1	*	0.0	10.9	*
Open Reduction of Hip Fracture	13	0.0	6.0	*	7.7	11.5	*	7.7	15.1	*
Prostatectomy	11	0.0	1.8	*	9.1	4.5	*	18.2	7.5	*
Cholecystectomy	11	0.0	5.6	*	0.0	10.7	*	9.1	14.2	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	744	14.0	12.2	1.7	19.8	17.9	2.0	23.7	22.2	1.9
CONDITIONS:										
Acute Myocardial Infarction	51	25.5	27.4	6.8	29.4	31.2	7.1	37.3	34.8	7.6
Congestive Heart Failure	45	22.2	19.5	*	31.1	28.4	*	31.1	35.7	*
Pneumonia/Influenza	40	27.5	21.5	*	32.5	29.4	*	37.5	35.0	*
Chronic Obstructive Pulmonary Disease	19	21.1	9.6	*	31.6	18.2	*	36.8	24.8	*
Transient Cerebral Ischemia	7	0.0	2.9	*	14.3	6.2	*	28.6	9.4	*
Stroke	21	23.8	22.7	*	33.3	30.5	*	38.1	35.3	*
Hip Fracture	30	6.7	7.4	*	16.7	13.2	*	23.3	17.0	*
Sepsis	2	50.0	28.5	*	50.0	33.8	*	50.0	39.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.1	*	0.0	2.5	*	0.0	4.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	0.0	6.2	*	0.0	11.7	*	11.1	15.4	*
Open Reduction of Hip Fracture	17	0.0	6.7	*	5.9	12.5	*	11.8	16.4	*
Prostatectomy	13	0.0	1.3	*	0.0	3.0	*	0.0	4.8	*
Cholecystectomy	9	0.0	3.1	*	0.0	5.7	*	0.0	7.7	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WORCESTER CITY HOSPITAL

26 Queen St
Worcester, MA 01610

Medicare Provider Number: 220115

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,098	12.1	11.3	1.0	19.1	16.8	1.4	22.3	20.9	1.3
CONDITIONS:										
Acute Myocardial Infarction	50	34.0	33.8	*	46.0	37.1	*	48.0	40.3	*
Congestive Heart Failure	52	15.4	17.7	6.6	26.9	26.6	6.5	36.5	33.9	7.1
Pneumonia/Influenza	84	14.3	20.4	4.9	29.8	27.3	5.7	33.3	32.6	5.2
Chronic Obstructive Pulmonary Disease	11	0.0	6.0	*	9.1	10.1	*	9.1	13.8	*
Transient Cerebral Ischemia	19	0.0	1.7	*	0.0	3.8	*	5.3	6.0	*
Stroke	23	26.1	19.3	*	30.4	26.0	*	43.5	30.3	*
Hip Fracture	32	6.3	6.5	*	12.5	11.8	*	15.6	15.4	*
Sepsis	8	25.0	27.6	*	25.0	36.6	*	25.0	42.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	4.9	*	5.3	8.9	*	15.8	12.2	*
Carotid Endarterectomy	1	0.0	1.0	*	0.0	1.9	*	0.0	2.8	*
Hip Replacement/Reconstruction	26	0.0	3.5	*	7.7	6.7	*	11.5	9.2	*
Open Reduction of Hip Fracture	14	7.1	7.1	*	7.1	13.5	*	7.1	17.8	*
Prostatectomy	13	0.0	0.7	*	7.7	1.7	*	7.7	2.9	*
Cholecystectomy	19	0.0	5.6	*	10.5	10.9	*	10.5	14.7	*
Hysterectomy	7	0.0	0.7	*	0.0	1.5	*	14.3	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	169
Occupancy Rate	81
Ownership/Control	Local Government

STAFFING: (As of September 30, 1989)

Total Number of Physicians	(Not Available)
Percent of Physicians Board Certified Specialists	(Not Available)
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	Yes
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

WORCESTER CITY HOSPITAL

Medicare Provider Number: 220115

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,180	12.1	11.4	1.0	19.3	17.2	1.3	24.9	21.6	1.6
CONDITIONS:										
Acute Myocardial Infarction	34	41.2	27.7	*	50.0	31.2	*	50.0	34.6	*
Congestive Heart Failure	58	13.8	16.9	7.0	22.4	24.5	9.1	27.6	31.2	9.1
Pneumonia/Influenza	88	21.6	20.3	5.3	28.4	27.2	4.9	38.6	32.2	7.1
Chronic Obstructive Pulmonary Disease	10	0.0	9.1	*	0.0	13.7	*	20.0	18.1	*
Transient Cerebral Ischemia	21	4.8	2.2	*	4.8	5.0	*	4.8	8.1	*
Stroke	42	23.8	23.1	*	31.0	31.0	*	42.9	35.9	*
Hip Fracture	45	6.7	7.3	*	15.6	13.0	*	20.0	16.6	*
Sepsis	17	41.2	25.5	*	58.8	34.1	*	70.6	40.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	4.8	*	8.3	9.3	*	8.3	13.3	*
Carotid Endarterectomy	4	0.0	1.7	*	0.0	3.4	*	0.0	5.1	*
Hip Replacement/Reconstruction	19	10.5	4.7	*	26.3	8.9	*	26.3	11.6	*
Open Reduction of Hip Fracture	24	4.2	6.5	*	8.3	12.0	*	12.5	15.4	*
Prostatectomy	26	3.8	1.4	*	7.7	3.6	*	7.7	6.1	*
Cholecystectomy	12	0.0	4.6	*	0.0	8.8	*	16.7	11.5	*
Hysterectomy	5	0.0	1.0	*	0.0	2.4	*	0.0	3.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,210	11.7	11.4	1.0	18.3	17.2	1.5	22.7	21.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	42	21.4	28.6	*	26.2	32.2	*	33.3	35.5	*
Congestive Heart Failure	46	8.7	18.7	*	15.2	28.0	*	28.3	35.3	*
Pneumonia/Influenza	76	10.5	18.9	6.7	15.8	25.9	8.0	22.4	31.1	7.6
Chronic Obstructive Pulmonary Disease	17	11.8	8.1	*	11.8	15.5	*	35.3	21.8	*
Transient Cerebral Ischemia	18	0.0	2.0	*	0.0	4.4	*	0.0	7.0	*
Stroke	21	42.9	21.7	*	42.9	29.2	*	47.6	33.9	*
Hip Fracture	45	8.9	6.0	*	11.1	10.9	*	15.6	14.2	*
Sepsis	15	33.3	36.9	*	60.0	44.4	*	60.0	50.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	33.3	2.3	*	33.3	4.9	*	33.3	7.3	*
Carotid Endarterectomy	4	0.0	1.3	*	0.0	2.2	*	0.0	3.1	*
Hip Replacement/Reconstruction	17	5.9	4.3	*	5.9	8.5	*	11.8	11.7	*
Open Reduction of Hip Fracture	18	11.1	5.2	*	16.7	9.9	*	22.2	12.9	*
Prostatectomy	22	0.0	1.0	*	4.5	2.5	*	4.5	4.2	*
Cholecystectomy	14	0.0	11.9	*	14.3	19.5	*	14.3	25.2	*
Hysterectomy	4	0.0	1.4	*	0.0	2.8	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

New Hampshire

ALICE PECK DAY MEMORIAL HOSPITAL

125 Mascoma Street
Lebanon, NH 03766

Medicare Provider Number: 300016

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	128	7.0	5.7	2.3	10.2	9.2	3.1	11.7	12.1	3.3
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	3	33.3	9.9	*	33.3	15.1	*	33.3	19.9	*
Pneumonia/Influenza	14	0.0	11.7	*	0.0	16.5	*	0.0	20.1	*
Chronic Obstructive Pulmonary Disease	1	0.0	3.8	*	0.0	6.9	*	0.0	10.0	*
Transient Cerebral Ischemia	1	0.0	0.9	*	0.0	2.1	*	0.0	3.2	*
Stroke	6	33.3	16.0	*	33.3	22.1	*	66.7	26.4	*
Hip Fracture	6	0.0	3.9	*	16.7	8.5	*	16.7	12.6	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	3.6	*	25.0	8.1	*	25.0	12.5	*
Open Reduction of Hip Fracture	1	0.0	3.4	*	0.0	6.9	*	0.0	9.6	*
Prostatectomy	2	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*
Cholecystectomy	4	25.0	2.0	*	25.0	3.6	*	25.0	4.7	*
Hysterectomy	3	0.0	0.3	*	0.0	0.6	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	78
Occupancy Rate	74
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	32
Percent of Physicians Board Certified Specialists	84
Medical Residents/Interns	0
Registered Nurses	36
Licensed Practical Nurses	6

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ALICE PECK DAY MEMORIAL HOSPITAL

Medicare Provider Number: 300016

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	196	14.8	6.4	2.9	18.4	9.8	3.0	21.9	12.6	3.4
CONDITIONS:										
Acute Myocardial Infarction	4	25.0	26.6	*	25.0	30.6	*	25.0	34.1	*
Congestive Heart Failure	7	71.4	13.7	*	85.7	21.3	*	85.7	27.7	*
Pneumonia/Influenza	14	28.6	12.7	*	35.7	17.9	*	35.7	22.1	*
Chronic Obstructive Pulmonary Disease	2	0.0	5.8	*	0.0	9.8	*	50.0	13.8	*
Transient Cerebral Ischemia	3	0.0	1.7	*	0.0	3.5	*	0.0	5.5	*
Stroke	2	50.0	29.6	*	50.0	37.7	*	50.0	43.4	*
Hip Fracture	13	7.7	4.6	*	23.1	8.6	*	30.8	11.3	*
Sepsis	2	50.0	33.1	*	50.0	39.0	*	50.0	45.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	33.3	0.7	*	33.3	1.3	*	33.3	1.9	*
Open Reduction of Hip Fracture	2	0.0	2.1	*	0.0	4.9	*	0.0	7.3	*
Prostatectomy	2	0.0	0.2	*	0.0	0.5	*	50.0	0.9	*
Cholecystectomy	1	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*
Hysterectomy	3	0.0	3.2	*	0.0	7.5	*	0.0	11.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	166	10.2	6.8	3.8	16.3	11.2	5.6	17.5	15.0	3.9
CONDITIONS:										
Acute Myocardial Infarction	3	33.3	35.1	*	33.3	41.5	*	33.3	46.1	*
Congestive Heart Failure	11	18.2	15.7	*	45.5	24.4	*	45.5	31.6	*
Pneumonia/Influenza	6	16.7	10.8	*	16.7	15.1	*	16.7	18.9	*
Chronic Obstructive Pulmonary Disease	2	0.0	7.3	*	0.0	14.2	*	0.0	19.9	*
Transient Cerebral Ischemia	1	0.0	0.8	*	0.0	1.9	*	0.0	3.1	*
Stroke	4	25.0	16.3	*	50.0	24.5	*	50.0	30.5	*
Hip Fracture	8	0.0	5.8	*	0.0	11.3	*	0.0	15.4	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	3.8	*	0.0	7.2	*	0.0	9.4	*
Open Reduction of Hip Fracture	3	0.0	6.2	*	0.0	12.9	*	0.0	18.0	*
Prostatectomy	4	0.0	2.6	*	25.0	6.8	*	50.0	11.7	*
Cholecystectomy	3	0.0	0.9	*	0.0	1.6	*	0.0	2.1	*
Hysterectomy	2	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ANDROSCOGGIN VALLEY HOSPITAL

Page Hill Rd
Berlin, NH 03570

Medicare Provider Number: 300022

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	606	9.1	8.9	1.6	13.4	13.9	1.8	15.5	17.7	2.4
CONDITIONS:										
Acute Myocardial Infarction	22	27.3	21.8	*	36.4	25.3	*	40.9	28.4	*
Congestive Heart Failure	41	14.6	15.6	*	17.1	24.0	*	24.4	30.9	*
Pneumonia/Influenza	20	10.0	15.1	*	10.0	20.7	*	10.0	25.1	*
Chronic Obstructive Pulmonary Disease	11	0.0	5.1	*	0.0	10.4	*	0.0	15.2	*
Transient Cerebral Ischemia	4	0.0	2.2	*	0.0	5.2	*	25.0	8.6	*
Stroke	19	10.5	19.8	*	10.5	25.4	*	10.5	29.4	*
Hip Fracture	18	5.6	4.9	*	11.1	8.9	*	11.1	11.6	*
Sepsis	5	0.0	24.6	*	0.0	32.3	*	0.0	37.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.5	*	0.0	6.1	*	0.0	10.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	11.1	3.3	*	11.1	6.3	*	11.1	8.5	*
Open Reduction of Hip Fracture	9	0.0	4.6	*	0.0	8.7	*	0.0	11.5	*
Prostatectomy	29	0.0	1.0	*	0.0	2.1	*	0.0	3.5	*
Cholecystectomy	19	5.3	4.8	*	10.5	8.2	*	10.5	10.5	*
Hysterectomy	5	0.0	0.5	*	0.0	1.0	*	0.0	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	92
Occupancy Rate	47
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	28
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	0
Registered Nurses	61
Licensed Practical Nurses	26

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ANDROSCOGGIN VALLEY HOSPITAL
Medicare Provider Number: 300022

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	659	7.0	9.1	1.5	10.5	13.9	2.0	14.0	17.8	2.3
CONDITIONS:										
Acute Myocardial Infarction	25	28.0	25.0	*	28.0	28.7	*	28.0	32.3	*
Congestive Heart Failure	34	0.0	15.5	*	5.9	24.2	*	14.7	31.3	*
Pneumonia/Influenza	39	12.8	17.9	*	20.5	24.5	*	28.2	29.6	*
Chronic Obstructive Pulmonary Disease	16	0.0	7.7	*	12.5	12.9	*	18.8	17.6	*
Transient Cerebral Ischemia	12	0.0	2.6	*	0.0	5.9	*	0.0	9.2	*
Stroke	22	18.2	21.2	*	18.2	27.2	*	22.7	31.4	*
Hip Fracture	21	14.3	4.6	*	14.3	8.9	*	19.0	12.0	*
Sepsis	6	16.7	31.8	*	50.0	43.0	*	50.0	50.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	4.5	*	0.0	12.4	*	100.0	22.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	10.0	3.4	*	10.0	6.9	*	10.0	9.6	*
Open Reduction of Hip Fracture	12	8.3	3.9	*	8.3	7.9	*	16.7	10.9	*
Prostatectomy	16	0.0	0.8	*	6.3	1.9	*	6.3	3.2	*
Cholecystectomy	23	0.0	2.3	*	0.0	4.2	*	0.0	5.6	*
Hysterectomy	2	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	662	7.1	8.6	2.2	11.2	13.3	1.9	15.6	17.0	1.8
CONDITIONS:										
Acute Myocardial Infarction	23	26.1	28.6	*	34.8	32.0	*	47.8	35.5	*
Congestive Heart Failure	35	17.1	21.1	*	28.6	32.3	*	28.6	40.4	*
Pneumonia/Influenza	21	14.3	17.0	*	23.8	23.2	*	33.3	28.1	*
Chronic Obstructive Pulmonary Disease	22	4.5	7.8	*	4.5	13.2	*	4.5	17.6	*
Transient Cerebral Ischemia	11	0.0	1.9	*	0.0	4.2	*	0.0	6.6	*
Stroke	22	18.2	22.4	*	18.2	29.5	*	18.2	33.9	*
Hip Fracture	14	0.0	6.2	*	7.1	11.7	*	14.3	15.6	*
Sepsis	7	0.0	16.9	*	14.3	22.3	*	14.3	26.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.7	*	0.0	4.8	*	0.0	8.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	6.6	*	16.7	13.1	*	33.3	18.0	*
Open Reduction of Hip Fracture	5	0.0	4.7	*	0.0	8.8	*	0.0	11.7	*
Prostatectomy	21	0.0	1.0	*	4.8	2.5	*	4.8	4.3	*
Cholecystectomy	23	4.3	2.2	*	4.3	3.8	*	4.3	5.1	*
Hysterectomy	5	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CATHOLIC MEDICAL CENTER

337 Notre Dame Ave
Manchester, NH 03102

Medicare Provider Number: 300034

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,055	7.7	8.6	1.1	12.3	13.0	0.9	15.1	16.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	105	18.1	23.3	6.2	21.0	27.6	7.1	22.9	31.4	8.5
Congestive Heart Failure	109	11.9	15.2	4.2	27.5	23.2	4.8	33.9	29.7	5.1
Pneumonia/Influenza	63	15.9	18.1	6.8	22.2	24.0	6.1	25.4	28.7	6.4
Chronic Obstructive Pulmonary Disease	39	7.7	9.5	*	20.5	16.6	*	20.5	22.8	*
Transient Cerebral Ischemia	34	2.9	1.6	*	5.9	3.3	*	8.8	5.2	*
Stroke	64	17.2	22.2	6.3	21.9	29.0	8.3	23.4	33.6	10.5
Hip Fracture	44	4.5	8.1	*	9.1	14.0	*	9.1	17.8	*
Sepsis	18	27.8	28.3	*	27.8	34.9	*	33.3	39.9	*
PROCEDURES:										
Angioplasty	66	3.0	3.0	2.1	3.0	4.0	2.5	3.0	5.0	3.3
Coronary Artery Bypass Graft	125	1.6	6.1	2.9	4.8	8.5	3.2	8.0	9.9	2.9
Initial Pacemaker Insertion	9	22.2	3.5	*	22.2	6.7	*	22.2	9.6	*
Carotid Endarterectomy	11	0.0	1.4	*	0.0	2.4	*	0.0	3.5	*
Hip Replacement/Reconstruction	18	0.0	3.4	*	0.0	6.3	*	5.6	8.4	*
Open Reduction of Hip Fracture	30	6.7	6.8	*	10.0	12.5	*	10.0	16.3	*
Prostatectomy	38	0.0	0.8	*	2.6	1.9	*	5.3	3.2	*
Cholecystectomy	50	6.0	2.7	*	10.0	4.8	*	10.0	6.3	*
Hysterectomy	17	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	279
Occupancy Rate	69
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	135
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	0
Registered Nurses	305
Licensed Practical Nurses	40

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CATHOLIC MEDICAL CENTER

Medicare Provider Number: 300034

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,240	8.0	8.6	0.8	13.1	12.9	1.0	16.0	16.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	76	28.9	26.6	6.1	36.8	30.2	8.1	36.8	33.7	6.4
Congestive Heart Failure	110	14.5	16.3	5.0	23.6	24.6	4.2	30.9	31.4	4.6
Pneumonia/Influenza	66	12.1	18.6	7.2	27.3	24.6	5.9	27.3	29.3	6.2
Chronic Obstructive Pulmonary Disease	38	7.9	11.5	*	15.8	18.6	*	23.7	24.2	*
Transient Cerebral Ischemia	43	2.3	2.0	*	7.0	4.2	*	9.3	6.5	*
Stroke	70	21.4	21.6	5.1	35.7	28.4	6.5	40.0	33.0	7.3
Hip Fracture	54	1.9	7.9	5.4	5.6	13.9	7.1	11.1	17.5	6.7
Sepsis	13	23.1	26.2	*	30.8	34.4	*	38.5	40.5	*
PROCEDURES:										
Angioplasty	44	0.0	1.8	*	0.0	2.5	*	0.0	3.3	*
Coronary Artery Bypass Graft	94	4.3	6.0	3.5	5.3	8.1	4.8	5.3	9.5	5.3
Initial Pacemaker Insertion	13	0.0	1.8	*	0.0	3.7	*	7.7	5.4	*
Carotid Endarterectomy	8	12.5	1.8	*	12.5	3.3	*	12.5	4.9	*
Hip Replacement/Reconstruction	18	0.0	4.7	*	5.6	8.9	*	11.1	11.7	*
Open Reduction of Hip Fracture	37	2.7	7.1	*	5.4	13.0	*	10.8	16.6	*
Prostatectomy	41	0.0	2.2	*	7.3	4.5	*	9.8	6.8	*
Cholecystectomy	36	8.3	3.9	*	13.9	6.9	*	19.4	9.1	*
Hysterectomy	12	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,162	8.3	8.5	1.3	12.4	12.9	1.5	15.6	16.4	1.2
CONDITIONS:										
Acute Myocardial Infarction	82	36.6	24.6	6.3	42.7	28.1	6.4	46.3	31.6	6.5
Congestive Heart Failure	99	19.2	17.0	4.9	29.3	25.4	4.9	31.3	32.2	5.2
Pneumonia/Influenza	47	8.5	19.0	*	12.8	25.3	*	12.8	30.3	*
Chronic Obstructive Pulmonary Disease	33	12.1	11.8	*	12.1	20.1	*	21.2	26.5	*
Transient Cerebral Ischemia	36	0.0	1.8	*	0.0	3.6	*	0.0	5.6	*
Stroke	64	18.8	22.2	5.4	21.9	28.8	6.7	21.9	33.1	7.3
Hip Fracture	40	12.5	7.3	*	20.0	12.8	*	30.0	16.3	*
Sepsis	8	12.5	26.5	*	12.5	34.5	*	12.5	40.7	*
PROCEDURES:										
Angioplasty	17	0.0	3.0	*	0.0	3.9	*	0.0	5.2	*
Coronary Artery Bypass Graft	75	2.7	6.0	4.4	4.0	8.1	4.6	6.7	9.4	4.6
Initial Pacemaker Insertion	10	10.0	5.9	*	10.0	9.1	*	10.0	11.4	*
Carotid Endarterectomy	9	0.0	1.7	*	0.0	3.0	*	0.0	4.3	*
Hip Replacement/Reconstruction	11	0.0	3.7	*	0.0	6.8	*	9.1	9.0	*
Open Reduction of Hip Fracture	19	10.5	6.2	*	21.1	11.9	*	26.3	15.7	*
Prostatectomy	54	0.0	1.6	*	0.0	3.8	*	0.0	6.3	*
Cholecystectomy	43	2.3	2.7	*	2.3	4.6	*	2.3	6.0	*
Hysterectomy	17	5.9	1.2	*	5.9	1.7	*	5.9	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CONCORD HOSPITAL

250 Pleasant St
Concord, NH 03301

Medicare Provider Number: 300001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,135	9.5	9.2	1.5	14.3	13.9	2.5	17.3	17.8	1.8
CONDITIONS:										
Acute Myocardial Infarction	107	38.3	32.9	7.4	43.0	36.9	6.7	44.9	40.7	5.9
Congestive Heart Failure	134	13.4	14.3	3.3	24.6	22.0	4.3	29.9	28.6	5.0
Pneumonia/Influenza	90	12.2	16.3	6.8	21.1	22.2	6.1	22.2	26.8	7.1
Chronic Obstructive Pulmonary Disease	21	14.3	8.4	*	28.6	13.6	*	28.6	18.2	*
Transient Cerebral Ischemia	24	4.2	2.5	*	4.2	5.7	*	8.3	9.2	*
Stroke	87	32.2	20.7	7.2	41.4	28.5	8.1	44.8	33.4	7.9
Hip Fracture	81	4.9	6.7	3.5	11.1	12.2	4.7	16.0	15.9	4.5
Sepsis	18	33.3	23.2	*	44.4	31.8	*	50.0	38.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	14	0.0	3.8	*	7.1	6.8	*	14.3	9.5	*
Carotid Endarterectomy	6	0.0	1.2	*	0.0	2.1	*	0.0	3.1	*
Hip Replacement/Reconstruction	66	4.5	3.7	2.9	7.6	7.3	4.5	7.6	10.0	6.1
Open Reduction of Hip Fracture	20	0.0	5.8	*	10.0	11.0	*	20.0	14.5	*
Prostatectomy	49	0.0	0.9	*	4.1	2.2	*	6.1	3.9	*
Cholecystectomy	29	3.4	2.3	*	3.4	4.5	*	3.4	6.3	*
Hysterectomy	25	0.0	0.8	*	0.0	1.8	*	4.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	218
Occupancy Rate	82
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	170
Percent of Physicians Board Certified Specialists	86
Medical Residents/Interns	0
Registered Nurses	235
Licensed Practical Nurses	25

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

CONCORD HOSPITAL

Medicare Provider Number: 300001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,269	8.3	8.9	0.9	13.3	13.6	0.8	16.7	17.3	0.9
CONDITIONS:										
Acute Myocardial Infarction	98	35.7	29.8	7.7	39.8	33.4	7.1	41.8	37.2	6.1
Congestive Heart Failure	115	12.2	15.7	5.1	21.7	23.9	6.9	28.7	30.8	5.2
Pneumonia/Influenza	107	13.1	15.7	5.2	19.6	21.2	4.8	21.5	25.6	4.8
Chronic Obstructive Pulmonary Disease	23	8.7	6.6	*	13.0	11.8	*	13.0	16.4	*
Transient Cerebral Ischemia	22	0.0	1.9	*	4.5	4.3	*	9.1	6.8	*
Stroke	79	13.9	19.7	7.1	21.5	27.0	6.7	24.1	31.7	7.3
Hip Fracture	80	6.3	6.3	3.2	10.0	11.6	3.9	15.0	15.1	4.0
Sepsis	10	20.0	25.3	*	40.0	35.5	*	50.0	42.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	0.0	3.1	*	0.0	6.4	*	0.0	9.4	*
Carotid Endarterectomy	5	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	69	2.9	2.5	3.1	5.8	5.0	2.8	5.8	6.7	3.2
Open Reduction of Hip Fracture	31	3.2	5.3	*	6.5	10.4	*	16.1	13.8	*
Prostatectomy	64	0.0	1.0	2.2	1.6	2.4	4.1	6.3	4.1	5.0
Cholecystectomy	35	2.9	1.6	*	2.9	2.8	*	2.9	3.6	*
Hysterectomy	18	0.0	0.8	*	5.6	1.6	*	5.6	2.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,276	9.3	9.0	0.6	14.6	13.8	1.5	18.8	17.5	2.3
CONDITIONS:										
Acute Myocardial Infarction	106	34.9	31.3	6.4	39.6	35.3	8.1	44.3	39.1	8.8
Congestive Heart Failure	110	19.1	17.9	3.9	29.1	27.0	4.4	40.0	34.3	6.3
Pneumonia/Influenza	82	17.1	15.1	4.1	22.0	21.0	4.6	28.0	25.6	5.4
Chronic Obstructive Pulmonary Disease	24	12.5	9.5	*	33.3	17.4	*	37.5	24.2	*
Transient Cerebral Ischemia	32	0.0	1.9	*	3.1	4.1	*	6.3	6.6	*
Stroke	93	14.0	19.6	6.4	21.5	26.5	7.2	29.0	31.0	5.3
Hip Fracture	75	2.7	7.8	3.9	8.0	14.2	4.9	16.0	18.4	4.6
Sepsis	10	70.0	27.3	*	70.0	37.1	*	70.0	43.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	0.0	2.6	*	0.0	5.1	*	0.0	7.4	*
Carotid Endarterectomy	6	0.0	1.2	*	0.0	2.3	*	0.0	3.2	*
Hip Replacement/Reconstruction	55	1.8	4.5	3.9	5.5	8.3	4.7	10.9	10.9	4.4
Open Reduction of Hip Fracture	35	2.9	6.0	*	11.4	11.4	*	20.0	15.2	*
Prostatectomy	61	1.6	0.7	1.6	1.6	1.7	1.7	3.3	2.8	2.5
Cholecystectomy	34	2.9	3.4	*	8.8	5.4	*	8.8	6.8	*
Hysterectomy	16	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation**

COTTAGE HOSPITAL

Swiftwater Rd
Woodsville, NH 03785

Medicare Provider Number: 300028

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	269	9.3	11.0	2.6	13.8	16.3	3.1	17.1	20.3	3.7
CONDITIONS:										
Acute Myocardial Infarction	7	57.1	41.6	*	71.4	45.4	*	71.4	48.6	*
Congestive Heart Failure	20	5.0	13.0	*	5.0	20.1	*	10.0	26.1	*
Pneumonia/Influenza	24	8.3	13.0	*	16.7	17.9	*	20.8	21.7	*
Chronic Obstructive Pulmonary Disease	2	50.0	5.3	*	50.0	9.3	*	50.0	13.2	*
Transient Cerebral Ischemia	3	0.0	1.8	*	0.0	3.6	*	0.0	5.7	*
Stroke	17	0.0	19.0	*	5.9	25.2	*	5.9	30.0	*
Hip Fracture	0									
Sepsis	8	0.0	25.1	*	0.0	32.3	*	12.5	37.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	18.2	*	100.0	22.0	*	100.0	23.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	11	0.0	0.3	*	0.0	0.8	*	0.0	1.4	*
Cholecystectomy	5	0.0	1.5	*	0.0	2.7	*	0.0	3.4	*
Hysterectomy	3	0.0	3.6	*	0.0	7.7	*	0.0	11.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	48
Occupancy Rate	23
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	16
Percent of Physicians Board Certified Specialists	94
Medical Residents/Interns	0
Registered Nurses	23
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

COTTAGE HOSPITAL

Medicare Provider Number: 300028

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	369	8.7	10.6	1.9	12.5	15.8	2.2	16.0	19.9	2.6
CONDITIONS:										
Acute Myocardial Infarction	13	38.5	30.8	*	46.2	33.8	*	46.2	37.2	*
Congestive Heart Failure	30	10.0	12.7	*	13.3	19.5	*	16.7	25.3	*
Pneumonia/Influenza	26	7.7	17.5	*	15.4	23.9	*	23.1	28.8	*
Chronic Obstructive Pulmonary Disease	3	0.0	13.2	*	33.3	21.1	*	33.3	26.8	*
Transient Cerebral Ischemia	5	0.0	2.1	*	0.0	4.3	*	0.0	6.6	*
Stroke	13	23.1	23.2	*	23.1	30.4	*	23.1	35.3	*
Hip Fracture	4	0.0	4.2	*	0.0	8.3	*	0.0	11.3	*
Sepsis	8	37.5	28.3	*	37.5	36.0	*	37.5	42.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	1.4	*	0.0	2.6	*	0.0	3.6	*
Open Reduction of Hip Fracture	3	0.0	3.9	*	0.0	8.3	*	0.0	11.6	*
Prostatectomy	9	0.0	0.8	*	0.0	2.2	*	0.0	3.8	*
Cholecystectomy	5	0.0	2.2	*	0.0	3.5	*	0.0	4.3	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	298	9.1	9.9	3.6	14.4	14.7	3.9	16.8	18.6	3.6
CONDITIONS:										
Acute Myocardial Infarction	13	15.4	22.5	*	23.1	26.1	*	23.1	29.3	*
Congestive Heart Failure	13	15.4	19.7	*	30.8	29.8	*	38.5	38.2	*
Pneumonia/Influenza	11	18.2	13.2	*	27.3	18.1	*	27.3	22.2	*
Chronic Obstructive Pulmonary Disease	1	0.0	9.8	*	0.0	16.5	*	0.0	21.9	*
Transient Cerebral Ischemia	1	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*
Stroke	9	11.1	21.1	*	11.1	27.5	*	11.1	32.7	*
Hip Fracture	9	0.0	5.7	*	11.1	10.2	*	11.1	13.1	*
Sepsis	5	20.0	21.1	*	20.0	28.5	*	20.0	33.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	0.0	1.3	*	0.0	2.6	*	0.0	3.5	*
Open Reduction of Hip Fracture	6	0.0	6.0	*	16.7	11.1	*	16.7	14.3	*
Prostatectomy	13	0.0	0.6	*	7.7	1.5	*	15.4	2.7	*
Cholecystectomy	4	0.0	1.2	*	0.0	2.1	*	0.0	2.8	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ELLIOT HOSPITAL

955 Auburn St
Manchester, NH 03103

Medicare Provider Number: 300012

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,022	10.0	8.6	2.7	15.3	13.3	4.1	19.2	17.0	4.8
CONDITIONS:										
Acute Myocardial Infarction	85	35.3	25.7	6.7	41.2	29.0	7.6	45.9	32.4	8.0
Congestive Heart Failure	103	17.5	14.7	4.6	28.2	22.8	6.2	37.9	29.6	8.5
Pneumonia/Influenza	75	13.3	15.0	4.3	18.7	20.2	5.9	21.3	24.4	5.8
Chronic Obstructive Pulmonary Disease	26	19.2	5.6	*	26.9	9.7	*	34.6	13.4	*
Transient Cerebral Ischemia	22	4.5	2.2	*	9.1	5.0	*	13.6	7.9	*
Stroke	74	14.9	21.3	7.8	21.6	27.4	10.3	25.7	31.6	9.8
Hip Fracture	55	3.6	5.9	5.0	7.3	10.8	6.3	10.9	14.0	6.4
Sepsis	14	42.9	27.3	*	42.9	37.7	*	42.9	45.2	*
PROCEDURES:										
Angioplasty	1	100.0	12.5	*	100.0	13.5	*	100.0	14.8	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	4.9	*	11.1	8.3	*	11.1	10.6	*
Carotid Endarterectomy	10	0.0	1.6	*	0.0	3.0	*	0.0	4.4	*
Hip Replacement/Reconstruction	31	3.2	3.1	*	6.5	6.4	*	6.5	9.1	*
Open Reduction of Hip Fracture	29	3.4	5.8	*	6.9	10.8	*	6.9	14.1	*
Prostatectomy	60	0.0	0.9	1.4	0.0	2.1	2.6	1.7	3.4	2.8
Cholecystectomy	52	5.8	4.0	3.1	9.6	6.8	5.5	11.5	8.8	8.6
Hysterectomy	19	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	296
Occupancy Rate	64
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	205
Percent of Physicians Board Certified Specialists	86
Medical Residents/Interns	0
Registered Nurses	282
Licensed Practical Nurses	17

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ELLIOT HOSPITAL

Medicare Provider Number: 300012

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,003	10.1	8.9	0.9	15.5	13.9	0.9	19.0	17.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	62	19.4	24.0	7.8	22.6	27.1	8.1	25.8	30.3	7.8
Congestive Heart Failure	100	14.0	15.6	4.2	20.0	23.8	5.8	30.0	30.5	4.9
Pneumonia/Influenza	61	24.6	18.0	6.2	27.9	24.1	6.2	32.8	28.8	6.5
Chronic Obstructive Pulmonary Disease	21	9.5	7.4	*	14.3	12.9	*	14.3	17.5	*
Transient Cerebral Ischemia	21	0.0	2.1	*	0.0	4.5	*	4.8	7.0	*
Stroke	79	24.1	23.6	7.9	34.2	30.1	9.2	35.4	34.7	6.6
Hip Fracture	53	5.7	6.8	3.8	15.1	12.6	5.1	18.9	16.3	6.0
Sepsis	17	23.5	24.1	*	35.3	33.5	*	41.2	39.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	1	0.0	4.3	*	0.0	9.8	*	0.0	14.9	*
Initial Pacemaker Insertion	8	0.0	4.1	*	0.0	7.2	*	12.5	10.0	*
Carotid Endarterectomy	20	0.0	1.4	*	5.0	2.7	*	5.0	3.9	*
Hip Replacement/Reconstruction	34	2.9	2.5	*	11.8	5.1	*	17.6	7.1	*
Open Reduction of Hip Fracture	23	13.0	5.9	*	26.1	11.3	*	26.1	15.0	*
Prostatectomy	65	0.0	1.1	1.7	1.5	2.7	2.3	3.1	4.4	3.3
Cholecystectomy	30	6.7	3.4	*	10.0	6.9	*	13.3	9.5	*
Hysterectomy	20	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,015	9.9	9.2	0.9	15.4	14.2	1.3	19.3	18.1	1.4
CONDITIONS:										
Acute Myocardial Infarction	70	38.6	26.2	7.4	42.9	29.6	7.9	42.9	33.0	7.3
Congestive Heart Failure	91	14.3	16.8	4.4	26.4	25.5	4.8	31.9	32.4	5.1
Pneumonia/Influenza	52	15.4	18.1	5.9	19.2	24.1	7.5	26.9	28.8	6.8
Chronic Obstructive Pulmonary Disease	25	16.0	11.3	*	20.0	18.0	*	20.0	23.2	*
Transient Cerebral Ischemia	27	0.0	1.9	*	0.0	4.0	*	0.0	6.1	*
Stroke	76	11.8	20.6	7.4	21.1	27.7	7.3	23.7	32.3	7.5
Hip Fracture	51	9.8	7.2	4.4	11.8	12.7	5.6	17.6	16.2	5.5
Sepsis	15	20.0	30.5	*	40.0	42.4	*	46.7	49.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	16.7	3.1	*	16.7	6.6	*	16.7	9.9	*
Carotid Endarterectomy	12	0.0	1.3	*	0.0	2.3	*	0.0	3.3	*
Hip Replacement/Reconstruction	27	3.7	2.7	*	3.7	5.0	*	11.1	6.5	*
Open Reduction of Hip Fracture	24	4.2	6.9	*	8.3	12.8	*	12.5	16.6	*
Prostatectomy	62	1.6	1.8	2.8	6.5	4.1	3.2	8.1	6.6	3.9
Cholecystectomy	55	5.5	5.3	5.5	12.7	8.8	6.5	12.7	10.8	7.4
Hysterectomy	14	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

385.1

Elliot
Hospital

Excellence — 955 Auburn Street
Caring — Manchester, NH 03103
Innovation — (603) 669-5300

January 15, 1991

Gail R. Wilensky, Ph.D.
Administrator
Department of Health & Human Services
Health Care Financing Administration
6325 Security Boulevard
Baltimore, MD 21207

Dear Dr. Wilensky:

I am writing to you to comment on the HCFA selected mortality information with reference to the Elliot Hospital.

Let me say at the outset that practically all of the comments we have made in the past concerning these mortality studies still apply to some degree, although some steps have been made since the institution of these studies to correct some of the initial problems.

We did not choose to take the time to review every one of the cases cited in your review, but confined our review to two groups, namely, COPD and Sepsis. I would like to comment briefly upon our finding with respect to these two groups.

In the COPD group there were 26 patients. Our review of these patient records revealed the following: patients living at 180 days, 9; patients lost to follow-up and unable to ascertain current status, 11; and patients actually dying of COPD, 6. It was most interesting to us that nine of these patients listed in your figures as having died within 180 days of their initial admissions were, according to our records, still living at the end of 180 days. This accounts for 35% of the group.

Our study of the sepsis group, in which you listed 14 patients, but we were only able to find records on 12, revealed the following: patients still living at 180 days from their first admission, 5; patients lost to follow-up, 1; patients dying of other causes, i.e. other than sepsis, 5; and patients dying of sepsis, 1. Thus, in this small series of cases, 42% that you listed as being dead were, in fact, alive at 180 days. And another 42%, according to our records, died of something unrelated to sepsis.

Affiliated with the Health NorthEast family of healthcare companies

Thus, it would appear that we are still confronted with many discrepancies between the statistics that you people generate and what our hospital records show. These discrepancies are difficult to understand and, of course, bring into focus the question as to the actual validity of your entire study and, more importantly, the true significance thereof. As mentioned in the past, I have significant reservations concerning the utilization of raw mortality data as an indication of quality in an institution and this feeling has not changed based on the most recent material received.

Very truly yours,

Samuel C. May M.D.

Samuel C. May, M.D.
Vice President for Medical Affairs

SCM/nlr

EXETER HOSPITAL INC

10 Buzzell Avenue
Exeter, NH 03833

Medicare Provider Number: 300023

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,093	10.8	9.1	2.5	15.7	13.7	3.2	18.7	17.4	2.0
CONDITIONS:										
Acute Myocardial Infarction	42	33.3	30.7	*	35.7	33.7	*	35.7	37.0	*
Congestive Heart Failure	62	16.1	14.7	5.9	19.4	22.4	6.1	27.4	28.8	6.5
Pneumonia/Influenza	52	25.0	16.4	8.0	32.7	22.5	8.4	32.7	27.1	7.1
Chronic Obstructive Pulmonary Disease	13	15.4	8.0	*	15.4	13.8	*	15.4	19.4	*
Transient Cerebral Ischemia	16	0.0	1.8	*	0.0	4.0	*	0.0	6.3	*
Stroke	35	28.6	20.5	*	37.1	28.2	*	40.0	32.8	*
Hip Fracture	37	10.8	6.6	*	18.9	11.8	*	21.6	15.3	*
Sepsis	9	33.3	27.1	*	33.3	35.1	*	33.3	40.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	3.3	*	20.0	6.1	*	20.0	8.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	26	7.7	3.9	*	11.5	7.5	*	15.4	10.2	*
Open Reduction of Hip Fracture	19	10.5	5.5	*	21.1	10.2	*	21.1	13.5	*
Prostatectomy	30	0.0	0.6	*	0.0	1.4	*	0.0	2.4	*
Cholecystectomy	24	4.2	2.2	*	8.3	3.7	*	8.3	4.7	*
Hysterectomy	19	0.0	0.4	*	0.0	0.8	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	215
Occupancy Rate	85
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	97
Percent of Physicians Board Certified Specialists	80
Medical Residents/Interns	0
Registered Nurses	179
Licensed Practical Nurses	6

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

EXETER HOSPITAL INC

Medicare Provider Number: 300023

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,290	9.8	10.0	0.9	15.6	15.1	1.1	19.9	19.1	1.2
CONDITIONS:										
Acute Myocardial Infarction	58	32.8	31.3	6.2	32.8	34.5	6.4	36.2	37.9	7.1
Congestive Heart Failure	53	11.3	17.0	6.3	22.6	25.5	6.4	35.8	32.3	6.7
Pneumonia/Influenza	60	18.3	16.5	6.3	28.3	22.3	8.9	35.0	26.8	11.9
Chronic Obstructive Pulmonary Disease	15	6.7	8.6	*	6.7	15.0	*	33.3	20.3	*
Transient Cerebral Ischemia	18	5.6	2.1	*	16.7	4.8	*	16.7	7.6	*
Stroke	45	11.1	19.2	*	17.8	26.1	*	17.8	30.6	*
Hip Fracture	35	8.6	7.0	*	14.3	12.8	*	14.3	16.4	*
Sepsis	20	20.0	26.8	*	30.0	34.3	*	35.0	40.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	8.3	9.1	*	8.3	14.6	*	8.3	18.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	23	4.3	3.7	*	4.3	7.5	*	4.3	10.1	*
Open Reduction of Hip Fracture	22	9.1	6.8	*	13.6	13.0	*	13.6	16.9	*
Prostatectomy	44	0.0	1.0	*	0.0	2.2	*	2.3	3.5	*
Cholecystectomy	27	0.0	3.4	*	0.0	5.6	*	0.0	7.1	*
Hysterectomy	14	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,239	10.8	9.6	2.1	15.8	14.6	3.1	20.1	18.6	3.6
CONDITIONS:										
Acute Myocardial Infarction	49	28.6	28.4	*	28.6	31.6	*	36.7	35.2	*
Congestive Heart Failure	85	20.0	19.1	4.3	31.8	28.2	7.1	37.6	35.5	6.0
Pneumonia/Influenza	53	17.0	18.9	6.0	28.3	25.6	6.3	32.1	30.6	6.6
Chronic Obstructive Pulmonary Disease	9	11.1	8.7	*	11.1	14.2	*	22.2	18.9	*
Transient Cerebral Ischemia	14	0.0	2.1	*	0.0	4.4	*	0.0	6.8	*
Stroke	41	19.5	21.2	*	24.4	28.2	*	24.4	32.8	*
Hip Fracture	35	8.6	7.7	*	17.1	13.8	*	17.1	17.6	*
Sepsis	15	20.0	28.1	*	40.0	35.9	*	40.0	42.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	0.0	7.1	*	6.7	11.9	*	6.7	15.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	22	4.5	4.0	*	9.1	7.3	*	9.1	9.5	*
Open Reduction of Hip Fracture	21	9.5	6.6	*	19.0	12.4	*	19.0	16.2	*
Prostatectomy	44	0.0	0.8	*	2.3	2.0	*	2.3	3.5	*
Cholecystectomy	28	3.6	3.8	*	10.7	6.0	*	10.7	7.6	*
Hysterectomy	10	0.0	0.3	*	10.0	0.5	*	10.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FRANKLIN REGIONAL HOSPITAL

15 Aiken Ave
Franklin, NH 03235

Medicare Provider Number: 300013

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	402	12.2	11.1	1.8	17.9	16.8	3.8	22.6	21.1	5.0
CONDITIONS:										
Acute Myocardial Infarction	17	29.4	28.4	*	29.4	31.9	*	29.4	35.2	*
Congestive Heart Failure	23	17.4	14.0	*	21.7	21.6	*	26.1	28.2	*
Pneumonia/Influenza	41	14.6	18.3	*	26.8	24.9	*	36.6	30.0	*
Chronic Obstructive Pulmonary Disease	17	11.8	9.5	*	11.8	17.4	*	23.5	23.5	*
Transient Cerebral Ischemia	3	0.0	2.1	*	0.0	5.2	*	0.0	8.9	*
Stroke	21	14.3	20.3	*	23.8	27.6	*	33.3	32.3	*
Hip Fracture	16	18.8	7.8	*	25.0	14.2	*	50.0	18.5	*
Sepsis	9	22.2	22.7	*	22.2	29.6	*	22.2	34.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	14.3	4.6	*	14.3	8.9	*	42.9	12.2	*
Open Reduction of Hip Fracture	9	22.2	7.8	*	33.3	14.7	*	55.6	19.4	*
Prostatectomy	0									
Cholecystectomy	8	0.0	1.0	*	0.0	1.6	*	0.0	2.2	*
Hysterectomy	8	12.5	1.9	*	12.5	4.0	*	12.5	5.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	49
Occupancy Rate	55
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	20
Percent of Physicians Board Certified Specialists	80
Medical Residents/Interns	0
Registered Nurses	34
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FRANKLIN REGIONAL HOSPITAL

Medicare Provider Number: 300013

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	434	12.2	10.9	1.8	17.3	16.2	2.1	22.4	20.4	3.0
CONDITIONS:										
Acute Myocardial Infarction	15	33.3	30.5	*	33.3	33.2	*	40.0	36.2	*
Congestive Heart Failure	29	17.2	17.1	*	31.0	26.9	*	37.9	34.5	*
Pneumonia/Influenza	24	25.0	18.4	*	25.0	24.5	*	37.5	29.4	*
Chronic Obstructive Pulmonary Disease	22	9.1	8.4	*	9.1	15.3	*	9.1	21.5	*
Transient Cerebral Ischemia	7	0.0	1.9	*	14.3	4.2	*	14.3	6.8	*
Stroke	26	38.5	20.6	*	38.5	26.6	*	38.5	31.0	*
Hip Fracture	13	7.7	6.5	*	7.7	11.5	*	30.8	14.6	*
Sepsis	11	18.2	23.9	*	27.3	33.5	*	45.5	40.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	7.6	*	0.0	13.7	*	40.0	17.1	*
Open Reduction of Hip Fracture	6	0.0	4.3	*	0.0	8.3	*	16.7	11.1	*
Prostatectomy	0									
Cholecystectomy	15	0.0	3.1	*	0.0	5.0	*	6.7	6.0	*
Hysterectomy	6	0.0	0.7	*	0.0	1.3	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	460	10.4	9.3	2.4	16.7	14.7	2.8	21.5	19.1	3.1
CONDITIONS:										
Acute Myocardial Infarction	13	53.8	30.2	*	61.5	33.3	*	61.5	36.9	*
Congestive Heart Failure	35	2.9	15.3	*	14.3	23.2	*	31.4	30.0	*
Pneumonia/Influenza	24	8.3	14.9	*	16.7	19.9	*	25.0	24.2	*
Chronic Obstructive Pulmonary Disease	26	7.7	9.6	*	7.7	16.8	*	11.5	22.5	*
Transient Cerebral Ischemia	5	0.0	2.9	*	0.0	6.4	*	0.0	10.4	*
Stroke	21	19.0	18.4	*	23.8	25.4	*	28.6	30.3	*
Hip Fracture	2	0.0	5.6	*	0.0	10.9	*	0.0	14.7	*
Sepsis	3	66.7	12.5	*	66.7	16.7	*	66.7	20.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	0.0	1.4	*	0.0	3.2	*	0.0	5.0	*
Open Reduction of Hip Fracture	2	0.0	4.7	*	0.0	9.8	*	0.0	13.6	*
Prostatectomy	0									
Cholecystectomy	7	0.0	1.1	*	0.0	2.2	*	0.0	3.1	*
Hysterectomy	3	0.0	1.4	*	0.0	2.9	*	0.0	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FRISBIE MEMORIAL HOSPITAL

Whitehall Rd
Rochester, NH 03867

Medicare Provider Number: 300014

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	824	10.7	9.3	2.2	15.8	14.1	3.5	18.7	18.0	2.7
CONDITIONS:										
Acute Myocardial Infarction	41	26.8	24.3	*	31.7	26.9	*	31.7	29.9	*
Congestive Heart Failure	51	19.6	13.4	7.4	19.6	20.9	6.9	25.5	27.4	6.5
Pneumonia/Influenza	38	15.8	15.0	*	15.8	20.7	*	15.8	25.1	*
Chronic Obstructive Pulmonary Disease	9	0.0	7.8	*	0.0	12.5	*	11.1	16.7	*
Transient Cerebral Ischemia	7	0.0	1.8	*	0.0	4.0	*	0.0	6.4	*
Stroke	42	19.0	23.7	*	26.2	30.4	*	26.2	35.1	*
Hip Fracture	26	3.8	5.2	*	11.5	9.7	*	15.4	12.9	*
Sepsis	5	20.0	18.9	*	20.0	24.8	*	20.0	29.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	2.2	*	0.0	4.1	*	0.0	6.1	*
Carotid Endarterectomy	2	0.0	1.2	*	0.0	2.1	*	0.0	3.1	*
Hip Replacement/Reconstruction	9	0.0	3.7	*	11.1	7.3	*	11.1	9.9	*
Open Reduction of Hip Fracture	6	0.0	5.1	*	0.0	9.8	*	0.0	13.0	*
Prostatectomy	23	0.0	0.7	*	0.0	1.9	*	4.3	3.3	*
Cholecystectomy	34	2.9	2.6	*	2.9	5.0	*	2.9	6.6	*
Hysterectomy	8	12.5	2.6	*	12.5	5.8	*	12.5	9.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	116
Occupancy Rate	60
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	70
Percent of Physicians Board Certified Specialists	73
Medical Residents/Interns	0
Registered Nurses	125
Licensed Practical Nurses	38

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FRISBIE MEMORIAL HOSPITAL

Medicare Provider Number: 300014

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	836	10.3	10.3	1.1	17.3	15.3	1.8	20.7	19.2	2.0
CONDITIONS:										
Acute Myocardial Infarction	36	19.4	26.8	*	25.0	29.7	*	27.8	33.2	*
Congestive Heart Failure	53	20.8	15.8	7.3	30.2	23.9	10.8	35.8	30.9	9.0
Pneumonia/Influenza	58	15.5	18.9	5.9	27.6	25.4	6.0	29.3	30.3	6.1
Chronic Obstructive Pulmonary Disease	10	0.0	7.1	*	0.0	11.7	*	10.0	15.9	*
Transient Cerebral Ischemia	7	0.0	2.2	*	0.0	4.9	*	0.0	7.8	*
Stroke	29	20.7	25.3	*	31.0	31.4	*	34.5	35.8	*
Hip Fracture	24	8.3	7.2	*	8.3	12.9	*	16.7	16.4	*
Sepsis	7	57.1	36.2	*	57.1	42.8	*	71.4	48.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	13.5	*	0.0	16.9	*	33.3	19.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	7.1	4.3	*	7.1	8.0	*	14.3	10.2	*
Open Reduction of Hip Fracture	9	11.1	6.5	*	11.1	12.5	*	11.1	16.4	*
Prostatectomy	18	0.0	0.8	*	0.0	2.0	*	0.0	3.3	*
Cholecystectomy	19	5.3	2.6	*	10.5	4.5	*	10.5	5.7	*
Hysterectomy	4	0.0	0.7	*	0.0	1.4	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	860	12.4	10.0	3.7	16.9	14.8	4.8	20.1	18.5	5.9
CONDITIONS:										
Acute Myocardial Infarction	45	26.7	30.6	*	28.9	34.1	*	35.6	37.7	*
Congestive Heart Failure	36	11.1	14.5	*	11.1	21.9	*	16.7	28.2	*
Pneumonia/Influenza	45	17.8	13.9	*	24.4	19.2	*	26.7	23.5	*
Chronic Obstructive Pulmonary Disease	10	20.0	10.7	*	30.0	17.4	*	30.0	21.9	*
Transient Cerebral Ischemia	10	0.0	1.8	*	0.0	4.0	*	0.0	6.5	*
Stroke	48	31.3	23.0	*	35.4	29.3	*	37.5	33.8	*
Hip Fracture	32	0.0	5.8	*	0.0	11.0	*	9.4	14.5	*
Sepsis	3	33.3	15.0	*	33.3	23.0	*	33.3	28.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	4.3	*	20.0	9.6	*	20.0	14.9	*
Carotid Endarterectomy	3	0.0	1.5	*	0.0	3.0	*	0.0	4.4	*
Hip Replacement/Reconstruction	14	0.0	3.6	*	0.0	7.1	*	7.1	9.6	*
Open Reduction of Hip Fracture	10	0.0	5.2	*	0.0	9.7	*	0.0	12.7	*
Prostatectomy	21	0.0	0.5	*	4.8	1.3	*	4.8	2.2	*
Cholecystectomy	31	0.0	2.9	*	0.0	5.2	*	0.0	6.8	*
Hysterectomy	5	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HUGGINS HOSPITAL

South Main Street
Wolfeboro, NH 03894

Medicare Provider Number: 300006

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	526	8.6	9.3	1.6	13.7	14.2	1.6	19.0	17.9	2.3
CONDITIONS:										
Acute Myocardial Infarction	30	26.7	24.7	*	40.0	28.4	*	46.7	32.0	*
Congestive Heart Failure	14	14.3	14.3	*	35.7	22.6	*	57.1	29.4	*
Pneumonia/Influenza	34	11.8	15.8	*	11.8	21.7	*	17.6	26.1	*
Chronic Obstructive Pulmonary Disease	8	37.5	13.9	*	50.0	20.2	*	62.5	25.7	*
Transient Cerebral Ischemia	5	0.0	1.1	*	0.0	2.4	*	0.0	3.7	*
Stroke	17	0.0	15.2	*	11.8	22.0	*	17.6	26.2	*
Hip Fracture	14	7.1	8.7	*	7.1	15.3	*	14.3	19.7	*
Sepsis	6	0.0	20.6	*	0.0	26.5	*	16.7	32.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	0.0	2.7	*	0.0	5.5	*	8.3	8.2	*
Open Reduction of Hip Fracture	6	16.7	11.1	*	16.7	19.9	*	16.7	25.4	*
Prostatectomy	14	0.0	0.9	*	0.0	2.3	*	0.0	3.9	*
Cholecystectomy	18	0.0	2.2	*	0.0	3.5	*	5.6	4.3	*
Hysterectomy	6	0.0	1.8	*	0.0	4.8	*	0.0	8.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	64
Occupancy Rate	70
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	23
Percent of Physicians Board Certified Specialists	91
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

HUGGINS HOSPITAL

Medicare Provider Number: 300006

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	651	10.1	9.5	1.6	14.4	14.1	1.6	18.4	17.8	1.6
CONDITIONS:										
Acute Myocardial Infarction	40	40.0	28.5	*	40.0	32.3	*	45.0	36.1	*
Congestive Heart Failure	20	10.0	18.5	*	20.0	27.1	*	35.0	34.5	*
Pneumonia/Influenza	37	18.9	17.9	*	24.3	24.5	*	32.4	29.5	*
Chronic Obstructive Pulmonary Disease	11	18.2	15.1	*	18.2	25.2	*	27.3	32.2	*
Transient Cerebral Ischemia	6	0.0	1.3	*	0.0	2.8	*	0.0	4.3	*
Stroke	28	28.6	20.2	*	39.3	27.0	*	39.3	31.8	*
Hip Fracture	14	0.0	8.4	*	0.0	14.4	*	0.0	18.7	*
Sepsis	7	28.6	23.4	*	28.6	29.7	*	28.6	35.0	*
PROCEDURES:										
Angioplasty	1	0.0	10.5	*	0.0	11.2	*	0.0	12.2	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	4.1	*	0.0	6.8	*	0.0	8.5	*
Open Reduction of Hip Fracture	6	0.0	7.3	*	0.0	12.8	*	0.0	16.8	*
Prostatectomy	6	0.0	0.5	*	0.0	1.3	*	0.0	2.2	*
Cholecystectomy	16	0.0	4.6	*	6.3	8.4	*	6.3	10.9	*
Hysterectomy	4	0.0	0.7	*	0.0	1.7	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	648	7.7	8.9	4.3	12.2	13.4	4.8	16.2	16.9	3.3
CONDITIONS:										
Acute Myocardial Infarction	33	30.3	29.7	*	30.3	33.3	*	33.3	37.1	*
Congestive Heart Failure	16	12.5	19.5	*	18.8	28.3	*	18.8	35.8	*
Pneumonia/Influenza	27	7.4	19.8	*	11.1	27.5	*	14.8	33.4	*
Chronic Obstructive Pulmonary Disease	15	20.0	11.4	*	20.0	18.9	*	33.3	25.0	*
Transient Cerebral Ischemia	11	0.0	2.5	*	9.1	5.7	*	18.2	9.0	*
Stroke	39	15.4	19.5	*	25.6	26.1	*	25.6	30.8	*
Hip Fracture	13	0.0	7.5	*	7.7	12.9	*	7.7	16.9	*
Sepsis	8	12.5	18.5	*	12.5	26.9	*	12.5	33.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	8.6	*	0.0	15.6	*	0.0	20.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	5.7	*	14.3	10.5	*	14.3	13.9	*
Open Reduction of Hip Fracture	7	0.0	6.8	*	0.0	12.1	*	0.0	15.9	*
Prostatectomy	21	0.0	1.0	*	0.0	2.4	*	0.0	4.1	*
Cholecystectomy	18	0.0	2.1	*	5.6	3.7	*	5.6	4.7	*
Hysterectomy	3	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LAKES REGION GENERAL HOSPITAL

Highland St
Laconia, NH 03246

Medicare Provider Number: 300005

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,192	10.2	9.0	3.4	15.2	13.4	4.9	19.5	16.9	6.1
CONDITIONS:										
Acute Myocardial Infarction	64	31.3	26.5	10.9	35.9	30.0	10.0	37.5	33.3	8.3
Congestive Heart Failure	57	15.8	13.9	5.1	26.3	21.5	7.8	33.3	27.9	8.4
Pneumonia/Influenza	40	10.0	14.8	*	17.5	20.3	*	22.5	24.6	*
Chronic Obstructive Pulmonary Disease	30	3.3	6.5	*	6.7	11.4	*	16.7	16.1	*
Transient Cerebral Ischemia	8	0.0	1.9	*	0.0	4.1	*	0.0	6.5	*
Stroke	48	16.7	19.7	*	25.0	26.4	*	31.2	31.1	*
Hip Fracture	48	4.2	6.5	*	8.3	11.8	*	12.5	15.5	*
Sepsis	21	28.6	22.4	*	33.3	29.1	*	38.1	34.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	2.2	*	0.0	4.5	*	8.3	6.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	34	2.9	3.3	*	5.9	6.0	*	8.8	8.0	*
Open Reduction of Hip Fracture	24	8.3	5.9	*	12.5	11.3	*	16.7	15.2	*
Prostatectomy	60	0.0	0.6	1.2	3.3	1.6	2.3	3.3	2.8	2.2
Cholecystectomy	18	5.6	2.2	*	11.1	3.5	*	11.1	4.3	*
Hysterectomy	6	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	157
Occupancy Rate	54
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	83
Percent of Physicians Board Certified Specialists	73
Medical Residents/Interns	0
Registered Nurses	171
Licensed Practical Nurses	13

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

LAKES REGION GENERAL HOSPITAL

Medicare Provider Number: 300005

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,322	9.4	9.5	1.3	13.1	14.2	1.8	16.0	17.7	2.1
CONDITIONS:										
Acute Myocardial Infarction	55	23.6	28.4	8.7	29.1	31.1	10.1	29.1	34.2	9.9
Congestive Heart Failure	72	5.6	17.8	6.2	13.9	27.0	7.2	22.2	34.1	7.0
Pneumonia/Influenza	45	8.9	15.4	*	8.9	20.9	*	20.0	25.2	*
Chronic Obstructive Pulmonary Disease	35	8.6	10.2	*	11.4	17.6	*	11.4	23.6	*
Transient Cerebral Ischemia	23	0.0	2.3	*	8.7	5.1	*	8.7	8.1	*
Stroke	73	17.8	19.9	5.3	24.7	25.9	5.2	27.4	30.3	6.6
Hip Fracture	47	4.3	6.6	*	4.3	12.2	*	8.5	15.7	*
Sepsis	9	55.6	28.1	*	55.6	36.6	*	55.6	42.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	3.9	*	0.0	6.7	*	14.3	9.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	32	3.1	2.7	*	6.3	5.4	*	6.3	7.5	*
Open Reduction of Hip Fracture	32	3.1	6.2	*	3.1	11.9	*	9.4	15.6	*
Prostatectomy	58	0.0	0.8	1.3	1.7	1.8	1.8	1.7	3.0	2.5
Cholecystectomy	28	3.6	3.5	*	3.6	6.4	*	7.1	8.4	*
Hysterectomy	10	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,355	8.3	9.4	2.6	12.0	13.7	3.3	14.7	17.2	4.2
CONDITIONS:										
Acute Myocardial Infarction	75	20.0	29.7	7.9	28.0	33.0	7.8	32.0	36.4	6.4
Congestive Heart Failure	59	8.5	17.7	6.6	11.9	26.6	8.8	20.3	33.7	9.2
Pneumonia/Influenza	36	8.3	14.6	*	8.3	19.9	*	13.9	24.1	*
Chronic Obstructive Pulmonary Disease	32	9.4	11.6	*	12.5	18.3	*	12.5	23.3	*
Transient Cerebral Ischemia	13	0.0	2.8	*	7.7	6.5	*	7.7	10.5	*
Stroke	60	15.0	21.8	7.3	16.7	28.5	8.9	16.7	33.1	10.7
Hip Fracture	37	0.0	8.0	*	2.7	14.1	*	8.1	17.9	*
Sepsis	8	0.0	19.8	*	0.0	29.5	*	12.5	35.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	3.2	*	0.0	5.8	*	0.0	8.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	39	0.0	2.1	*	0.0	3.7	*	2.6	5.0	*
Open Reduction of Hip Fracture	17	0.0	7.2	*	0.0	13.3	*	0.0	17.2	*
Prostatectomy	38	2.6	0.6	*	2.6	1.6	*	5.3	2.7	*
Cholecystectomy	31	3.2	2.3	*	3.2	4.4	*	3.2	6.0	*
Hysterectomy	9	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

LITTLETON HOSPITAL

107 Cottage St
Littleton, NH 03561

Medicare Provider Number: 300008

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	397	9.6	10.9	9.2	13.4	15.5	11.2	17.9	19.1	11.1
CONDITIONS:										
Acute Myocardial Infarction	29	20.7	31.2	*	24.1	33.9	*	27.6	37.4	*
Congestive Heart Failure	23	17.4	15.9	*	26.1	24.1	*	26.1	31.2	*
Pneumonia/Influenza	21	9.5	13.6	*	9.5	18.6	*	14.3	23.0	*
Chronic Obstructive Pulmonary Disease	9	0.0	4.1	*	0.0	7.7	*	11.1	11.1	*
Transient Cerebral Ischemia	2	0.0	1.4	*	0.0	3.0	*	0.0	4.7	*
Stroke	22	27.3	23.2	*	40.9	30.0	*	45.5	35.1	*
Hip Fracture	24	0.0	6.1	*	0.0	11.3	*	12.5	15.0	*
Sepsis	5	0.0	28.2	*	0.0	35.6	*	20.0	42.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	9.6	*	25.0	12.7	*	25.0	15.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	5.4	*	0.0	9.9	*	20.0	12.9	*
Open Reduction of Hip Fracture	14	0.0	4.8	*	0.0	9.6	*	0.0	13.2	*
Prostatectomy	7	14.3	1.1	*	14.3	2.7	*	14.3	4.7	*
Cholecystectomy	7	0.0	1.5	*	0.0	2.9	*	0.0	4.1	*
Hysterectomy	4	0.0	0.4	*	0.0	0.7	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	52
Occupancy Rate	56
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	21
Percent of Physicians Board Certified Specialists	76
Medical Residents/Interns	0
Registered Nurses	49
Licensed Practical Nurses	13

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

LITTLETON HOSPITAL

Medicare Provider Number: 300008

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	418	9.6	11.0	1.8	14.4	15.7	2.2	19.1	19.5	2.2
CONDITIONS:										
Acute Myocardial Infarction	28	35.7	35.6	*	35.7	38.9	*	42.9	42.5	*
Congestive Heart Failure	24	16.7	18.6	*	20.8	28.3	*	25.0	36.1	*
Pneumonia/Influenza	26	7.7	16.1	*	11.5	21.6	*	19.2	25.8	*
Chronic Obstructive Pulmonary Disease	5	0.0	7.0	*	0.0	12.0	*	0.0	16.3	*
Transient Cerebral Ischemia	4	0.0	2.3	*	25.0	5.4	*	25.0	8.8	*
Stroke	17	11.8	21.2	*	29.4	27.9	*	35.3	33.1	*
Hip Fracture	8	0.0	8.1	*	12.5	15.4	*	12.5	20.6	*
Sepsis	4	0.0	25.5	*	0.0	33.2	*	25.0	39.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	50.0	19.6	*	50.0	24.2	*	50.0	27.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	0.0	1.1	*	10.0	2.3	*	10.0	3.3	*
Open Reduction of Hip Fracture	6	0.0	6.2	*	0.0	12.2	*	0.0	16.3	*
Prostatectomy	20	0.0	1.0	*	5.0	2.2	*	10.0	3.6	*
Cholecystectomy	11	0.0	2.8	*	0.0	5.0	*	0.0	6.5	*
Hysterectomy	9	0.0	0.6	*	0.0	1.2	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	543	9.0	8.8	2.2	12.3	13.3	2.9	15.3	16.9	3.4
CONDITIONS:										
Acute Myocardial Infarction	17	23.5	32.8	*	29.4	36.7	*	29.4	40.2	*
Congestive Heart Failure	28	10.7	16.5	*	21.4	24.9	*	25.0	31.9	*
Pneumonia/Influenza	22	4.5	11.6	*	4.5	15.9	*	18.2	19.5	*
Chronic Obstructive Pulmonary Disease	1	0.0	5.8	*	0.0	11.0	*	0.0	15.9	*
Transient Cerebral Ischemia	8	0.0	2.5	*	0.0	5.6	*	0.0	8.9	*
Stroke	18	16.7	25.8	*	16.7	33.1	*	22.2	38.4	*
Hip Fracture	12	8.3	4.5	*	16.7	8.5	*	16.7	11.4	*
Sepsis	7	28.6	34.3	*	57.1	45.9	*	57.1	53.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	6.2	*	0.0	10.2	*	0.0	13.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	0.5	*	0.0	1.0	*	0.0	1.3	*
Open Reduction of Hip Fracture	11	9.1	4.1	*	18.2	8.1	*	18.2	11.1	*
Prostatectomy	13	0.0	0.7	*	0.0	1.8	*	7.7	3.2	*
Cholecystectomy	8	0.0	1.4	*	0.0	2.6	*	0.0	3.3	*
Hysterectomy	3	0.0	2.5	*	0.0	6.6	*	0.0	11.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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Littleton Hospital
107 Cottage Street · Littleton, NH 03561 · 603-444-7731

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Medicare Provider No. 300008

Dear Mrs. Kappert:

We wish to submit the following comments to be published with our Medicare Hospital Mortality Information:

Compared to larger hospitals, the number of various procedures done at Littleton Regional Hospital is relatively small. As an example, the hospital only did four pacemaker insertions. Since two patients died, our observed mortality rate is listed as 50%. Because of our small numbers, results tend to be skewed.

The data presents limited information. Percentages do not take into account the patients with a co-morbidity. As an example, two patients with pacemakers died from other causes. One died two years after the pacemaker insertion; the other patient only had a temporary pacemaker as an attempted lifesaving procedure and died three hours after admission.

Thank you for the opportunity to offer these comments.

Sincerely yours,

Rosemary C. Check
Rosemary C. Check
Administrator rut

RCC/md

MARY HITCHCOCK MEMORIAL HOSPITAL

2 Maynard Street
Hanover, NH 03755

Medicare Provider Number: 300003

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,199	8.3	8.8	0.7	13.6	13.9	1.4	17.3	17.9	1.8
CONDITIONS:										
Acute Myocardial Infarction	53	30.2	26.9	7.1	32.1	29.9	7.1	34.0	33.0	6.5
Congestive Heart Failure	52	17.3	15.1	5.2	25.0	23.7	6.6	30.8	30.7	6.4
Pneumonia/Influenza	49	14.3	16.2	*	16.3	22.8	*	24.5	27.7	*
Chronic Obstructive Pulmonary Disease	12	25.0	12.1	*	25.0	18.9	*	25.0	23.9	*
Transient Cerebral Ischemia	14	0.0	1.5	*	0.0	3.1	*	7.1	4.8	*
Stroke	63	22.2	20.2	5.3	30.2	26.3	6.4	33.3	30.6	7.1
Hip Fracture	43	11.6	7.6	*	11.6	13.2	*	18.6	16.8	*
Sepsis	5	20.0	24.4	*	40.0	31.4	*	40.0	36.6	*
PROCEDURES:										
Angioplasty	48	4.2	2.3	*	4.2	3.3	*	4.2	4.3	*
Coronary Artery Bypass Graft	100	14.0	5.1	4.3	16.0	7.7	4.2	16.0	9.3	4.3
Initial Pacemaker Insertion	12	0.0	2.4	*	0.0	4.5	*	0.0	6.6	*
Carotid Endarterectomy	21	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	61	6.6	3.3	2.7	8.2	6.3	3.3	9.8	8.7	3.7
Open Reduction of Hip Fracture	24	12.5	6.7	*	12.5	12.3	*	25.0	15.9	*
Prostatectomy	52	0.0	0.8	1.4	0.0	1.8	2.6	1.9	3.1	2.6
Cholecystectomy	24	0.0	2.7	*	4.2	5.1	*	8.3	6.9	*
Hysterectomy	28	0.0	1.5	*	0.0	3.4	*	0.0	5.2	*

***The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	357
Occupancy Rate	82
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	267
Percent of Physicians Board Certified Specialists	91
Medical Residents/Interns	224
Registered Nurses	646
Licensed Practical Nurses	45

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MARY HITCHCOCK MEMORIAL HOSPITAL

Medicare Provider Number: 300003

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,348	8.2	9.3	0.7	13.5	14.8	0.9	17.3	19.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	59	22.0	28.3	8.6	22.0	31.6	9.2	27.1	35.1	9.3
Congestive Heart Failure	58	13.8	16.8	5.6	20.7	25.6	7.4	29.3	33.0	8.2
Pneumonia/Influenza	38	5.3	16.5	*	10.5	23.6	*	13.2	28.6	*
Chronic Obstructive Pulmonary Disease	13	0.0	8.7	*	7.7	15.6	*	38.5	21.7	*
Transient Cerebral Ischemia	28	0.0	1.6	*	0.0	3.2	*	0.0	4.7	*
Stroke	57	21.1	26.1	6.3	29.8	32.4	6.3	38.6	36.9	6.4
Hip Fracture	32	0.0	6.5	*	6.3	11.6	*	9.4	15.0	*
Sepsis	6	83.3	22.0	*	83.3	29.5	*	83.3	35.3	*
PROCEDURES:										
Angioplasty	20	0.0	4.2	*	5.0	5.3	*	5.0	6.6	*
Coronary Artery Bypass Graft	71	9.9	5.2	5.5	9.9	8.1	5.2	12.7	9.9	4.8
Initial Pacemaker Insertion	17	5.9	10.8	*	11.8	16.0	*	17.6	20.2	*
Carotid Endarterectomy	27	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	47	0.0	2.8	*	6.4	5.5	*	8.5	7.6	*
Open Reduction of Hip Fracture	10	0.0	6.0	*	0.0	10.9	*	0.0	13.9	*
Prostatectomy	54	0.0	0.9	1.5	1.9	2.3	2.1	3.7	3.9	2.7
Cholecystectomy	31	3.2	5.4	*	6.5	10.9	*	9.7	15.0	*
Hysterectomy	23	0.0	0.6	*	0.0	1.3	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,407	8.4	8.6	1.0	13.4	13.8	1.1	17.2	17.8	1.2
CONDITIONS:										
Acute Myocardial Infarction	63	38.1	30.4	9.9	44.4	33.3	9.7	46.0	36.4	10.0
Congestive Heart Failure	51	11.8	16.3	8.9	19.6	25.9	7.6	31.4	33.8	7.0
Pneumonia/Influenza	50	12.0	19.0	*	20.0	26.1	*	24.0	31.1	*
Chronic Obstructive Pulmonary Disease	16	0.0	12.4	*	25.0	20.2	*	31.3	25.7	*
Transient Cerebral Ischemia	35	0.0	2.4	*	2.9	5.3	*	2.9	8.3	*
Stroke	56	25.0	25.0	5.8	28.6	31.7	6.7	28.6	36.2	9.1
Hip Fracture	30	6.7	8.4	*	16.7	14.3	*	16.7	18.0	*
Sepsis	2	50.0	33.4	*	50.0	44.5	*	50.0	53.0	*
PROCEDURES:										
Angioplasty	11	9.1	3.5	*	9.1	4.7	*	9.1	6.0	*
Coronary Artery Bypass Graft	72	13.9	6.0	5.1	13.9	8.9	4.6	13.9	10.6	4.9
Initial Pacemaker Insertion	15	0.0	4.0	*	6.7	7.8	*	6.7	11.4	*
Carotid Endarterectomy	28	0.0	1.6	*	0.0	3.3	*	3.6	5.1	*
Hip Replacement/Reconstruction	65	1.5	3.3	2.5	4.6	5.7	3.0	6.2	7.3	4.2
Open Reduction of Hip Fracture	8	0.0	6.8	*	0.0	12.4	*	0.0	16.0	*
Prostatectomy	46	2.2	1.5	*	4.3	3.8	*	13.0	6.3	*
Cholecystectomy	37	5.4	6.8	*	13.5	12.4	*	16.2	16.6	*
Hysterectomy	31	0.0	0.5	*	0.0	1.0	*	3.2	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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399.2

Dartmouth-Hitchcock Medical Center

Mary Hitchcock Memorial Hospital

2 Maynard Street
Hanover, New Hampshire 03756
603-646-5000

January 15, 1991

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

SUBJECT: 1989 HCFA Mortality Report

The HCFA sample is not representative of the experience with coronary artery bypass grafts (CABG) at the Dartmouth Hitchcock Medical Center. 82% of our CABG deaths, but only 52% of our CABG cases were included in the sample.

Our complete results are presented below. We have used the HCFA definitions and dates and have also reported results of CABG with and without concomitant procedures.

	n	Observed 30 day Mortality	Expected Mortality(1)
FY 1989			
Medicare CABG & other	192	8.9%	Unknown
All CABG and other	345	7.5%	Unknown
Medicare CABG only	170	8.2%	6.0%
All CABG only	317	6.6%	4.4%
FY 1990			
Medicare CABG & other	178	6.7%	unknown
All CABG and other	333	4.2%	unknown
Medicare CABG only	152	4.0%	6.7%
All CABG only	295	2.7%	4.9%

(1) The Northern New England Cardiovascular Disease Study Group predicted mortality rate as published in Clinical Research, 38 (2), 417A, 1990.

Sincerely

Eugenia Hamilton
Senior Vice President, Clinical Programs
Mary Hitchcock Memorial Hospital
Hanover, NH 03756

Dartmouth Medical School - The Hitchcock Clinic - Mary Hitchcock Memorial Hospital - Veterans Administration Hospital
Matthew Thornton Health Plan

MONADNOCK COMMUNITY HOSPITAL

Old Street Road
Peterborough, NH 03458

Medicare Provider Number: 300007

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	487	14.6	9.4	7.9	18.9	14.6	7.2	22.4	18.8	4.8
CONDITIONS:										
Acute Myocardial Infarction	17	29.4	23.0	*	35.3	26.3	*	35.3	29.8	*
Congestive Heart Failure	20	15.0	13.0	*	20.0	20.2	*	20.0	26.5	*
Pneumonia/Influenza	18	11.1	16.1	*	22.2	22.2	*	27.8	27.1	*
Chronic Obstructive Pulmonary Disease	12	16.7	9.0	*	16.7	15.7	*	16.7	21.0	*
Transient Cerebral Ischemia	7	0.0	1.7	*	0.0	4.0	*	14.3	6.6	*
Stroke	24	16.7	20.2	*	33.3	25.6	*	33.3	30.0	*
Hip Fracture	19	21.1	5.8	*	26.3	10.7	*	26.3	14.0	*
Sepsis	2	100.0	26.7	*	100.0	32.0	*	100.0	38.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	10.0	7.6	*	20.0	13.2	*	20.0	16.3	*
Open Reduction of Hip Fracture	11	27.3	4.9	*	27.3	9.6	*	27.3	12.9	*
Prostatectomy	18	0.0	0.8	*	0.0	2.1	*	0.0	3.8	*
Cholecystectomy	4	0.0	2.6	*	0.0	3.8	*	0.0	4.6	*
Hysterectomy	5	20.0	2.3	*	20.0	5.2	*	20.0	8.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	60
Occupancy Rate	48
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	40
Percent of Physicians Board Certified Specialists	90
Medical Residents/Interns	0
Registered Nurses	68
Licensed Practical Nurses	14

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MONADNOCK COMMUNITY HOSPITAL

Medicare Provider Number: 300007

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	509	9.8	8.5	1.4	16.7	12.6	2.2	20.4	16.1	2.5
CONDITIONS:										
Acute Myocardial Infarction	24	25.0	30.9	*	33.3	33.9	*	41.7	37.1	*
Congestive Heart Failure	17	11.8	13.6	*	23.5	21.6	*	23.5	28.5	*
Pneumonia/Influenza	27	18.5	17.1	*	22.2	23.6	*	33.3	28.5	*
Chronic Obstructive Pulmonary Disease	7	0.0	7.2	*	0.0	12.6	*	14.3	17.5	*
Transient Cerebral Ischemia	9	0.0	2.4	*	11.1	5.8	*	22.2	9.5	*
Stroke	23	13.0	21.5	*	39.1	27.4	*	39.1	31.9	*
Hip Fracture	26	15.4	7.2	*	23.1	13.3	*	26.9	17.3	*
Sepsis	2	50.0	30.3	*	50.0	34.7	*	50.0	40.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	16	6.3	4.8	*	12.5	9.4	*	12.5	12.5	*
Open Reduction of Hip Fracture	7	14.3	7.6	*	28.6	14.3	*	42.9	18.5	*
Prostatectomy	20	5.0	1.1	*	5.0	2.9	*	5.0	5.0	*
Cholecystectomy	4	0.0	6.6	*	25.0	10.7	*	25.0	13.1	*
Hysterectomy	6	0.0	0.4	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	487	9.7	8.7	4.6	14.4	13.4	5.6	19.3	17.2	8.0
CONDITIONS:										
Acute Myocardial Infarction	18	27.8	32.0	*	27.8	35.1	*	33.3	38.6	*
Congestive Heart Failure	19	10.5	15.5	*	26.3	23.6	*	31.6	30.5	*
Pneumonia/Influenza	14	21.4	15.7	*	28.6	21.8	*	35.7	27.0	*
Chronic Obstructive Pulmonary Disease	10	0.0	3.7	*	10.0	7.7	*	20.0	11.6	*
Transient Cerebral Ischemia	3	0.0	2.5	*	0.0	5.1	*	33.3	8.1	*
Stroke	21	28.6	21.8	*	38.1	28.1	*	38.1	33.0	*
Hip Fracture	15	0.0	7.1	*	6.7	12.7	*	13.3	16.5	*
Sepsis	2	50.0	29.8	*	50.0	34.7	*	50.0	39.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	5.3	*	14.3	9.4	*	14.3	12.0	*
Open Reduction of Hip Fracture	6	0.0	4.1	*	0.0	7.8	*	0.0	10.6	*
Prostatectomy	25	0.0	1.3	*	4.0	3.2	*	12.0	5.3	*
Cholecystectomy	7	0.0	0.9	*	0.0	1.7	*	0.0	2.3	*
Hysterectomy	6	0.0	0.4	*	0.0	1.0	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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MEDICARE PROVIDER NUMBER
3000007

401.2

Monadnock
Community Hospital

Alvin D. Felgar
Administrator

January 7, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Buliding
6325 Security Boulevard
Baltimore,Maryland 21207

Dear Mrs. Kappert,

Monadnock Community Hospital received the 1989 HCFA Mortality statistics and appreciate your efforts to take into account important differences in patient types and their level of illness.

We would support a legitimate move by HCFA towards analyzing other outcome oriented aspects of quality in healthcare beyond death.

Monadnock Community Hospital's observed and predicted mortality rates for the various condition and procedure categories did not have a calculated standard deviation of the predicted rate (a measure of the uncertainty of that rate) as the number of cases or deaths in each category was too small to permit satisfactory estimation.

Our hospital will, however, integrate this data into our current Quality Review program which provides extensive analysis of standards, processes and outcomes of care including but not limited to mortalities.

Sincerely,
Susan Marshall
Susan Marshall, RN
Quality Review Manager

Old Street Road Peterborough, NH 03458 • (603) 924-7191 • *Associated with New England Deaconess Hospital*

NASHUA MEMORIAL HOSPITAL

8 Prospect Street
Nashua, NH 03060

Medicare Provider Number: 300020

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,066	8.9	9.5	1.2	14.6	14.4	3.0	18.9	18.2	4.3
CONDITIONS:										
Acute Myocardial Infarction	49	18.4	26.2	*	24.5	29.3	*	30.6	32.5	*
Congestive Heart Failure	77	13.0	16.1	4.6	26.0	24.7	5.6	36.4	31.5	6.5
Pneumonia/Influenza	41	19.5	17.1	*	24.4	23.2	*	26.8	27.8	*
Chronic Obstructive Pulmonary Disease	25	12.0	7.3	*	16.0	12.0	*	24.0	16.4	*
Transient Cerebral Ischemia	7	0.0	1.3	*	0.0	3.2	*	14.3	5.2	*
Stroke	41	19.5	22.9	*	22.0	29.9	*	26.8	34.6	*
Hip Fracture	27	7.4	7.6	*	11.1	13.5	*	22.2	17.4	*
Sepsis	9	44.4	26.6	*	55.6	36.9	*	55.6	43.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	3.6	*	0.0	7.1	*	0.0	10.6	*
Carotid Endarterectomy	2	0.0	1.4	*	0.0	2.4	*	0.0	3.6	*
Hip Replacement/Reconstruction	15	0.0	1.9	*	0.0	3.5	*	6.7	4.7	*
Open Reduction of Hip Fracture	20	5.0	7.1	*	10.0	13.1	*	20.0	17.0	*
Prostatectomy	29	0.0	2.7	*	0.0	4.2	*	6.9	5.9	*
Cholecystectomy	17	5.9	1.9	*	5.9	3.2	*	5.9	4.1	*
Hysterectomy	10	0.0	0.9	*	0.0	2.1	*	10.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	171
Occupancy Rate	63
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	202
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	0
Registered Nurses	220
Licensed Practical Nurses	18

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NASHUA MEMORIAL HOSPITAL

Medicare Provider Number: 300020

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,164	10.0	9.0	0.9	14.4	13.5	1.1	18.7	17.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	35	25.7	28.3	*	31.4	31.0	*	34.3	34.3	*
Congestive Heart Failure	59	22.0	16.3	6.8	23.7	24.6	6.2	33.9	31.5	6.4
Pneumonia/Influenza	54	11.1	16.0	6.4	20.4	21.5	5.7	24.1	26.0	6.3
Chronic Obstructive Pulmonary Disease	31	9.7	8.6	*	16.1	15.0	*	25.8	20.3	*
Transient Cerebral Ischemia	15	0.0	2.1	*	0.0	4.5	*	0.0	7.0	*
Stroke	49	16.3	19.5	*	20.4	25.7	*	26.5	30.2	*
Hip Fracture	27	11.1	7.1	*	22.2	12.4	*	29.6	15.7	*
Sepsis	9	33.3	19.6	*	44.4	27.7	*	44.4	33.5	*
PROCEDURES:										
Angioplasty	1	0.0	3.9	*	0.0	8.6	*	0.0	12.6	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	5.7	*	0.0	9.0	*	12.5	12.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	22	0.0	2.9	*	4.5	5.5	*	4.5	7.4	*
Open Reduction of Hip Fracture	16	12.5	7.1	*	18.8	12.9	*	31.3	16.5	*
Prostatectomy	38	0.0	1.2	*	0.0	2.9	*	0.0	4.8	*
Cholecystectomy	15	0.0	1.4	*	6.7	2.6	*	6.7	3.7	*
Hysterectomy	5	0.0	0.8	*	0.0	1.6	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,163	11.4	8.7	3.0	16.2	13.2	3.3	19.3	16.9	3.5
CONDITIONS:										
Acute Myocardial Infarction	47	42.6	31.2	*	51.1	34.9	*	55.3	38.5	*
Congestive Heart Failure	78	17.9	13.9	5.7	21.8	20.6	5.6	26.9	26.8	5.0
Pneumonia/Influenza	55	16.4	13.0	5.3	20.0	17.8	5.4	21.8	21.9	5.6
Chronic Obstructive Pulmonary Disease	21	19.0	6.2	*	19.0	10.5	*	23.8	14.2	*
Transient Cerebral Ischemia	13	0.0	1.4	*	0.0	3.0	*	0.0	4.7	*
Stroke	48	20.8	17.6	*	25.0	23.9	*	27.1	28.4	*
Hip Fracture	26	7.7	7.2	*	23.1	13.3	*	23.1	17.4	*
Sepsis	8	25.0	17.4	*	25.0	25.9	*	25.0	32.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.7	*	0.0	5.4	*	25.0	7.7	*
Carotid Endarterectomy	3	0.0	1.6	*	0.0	3.0	*	0.0	4.4	*
Hip Replacement/Reconstruction	11	0.0	4.8	*	18.2	9.5	*	18.2	12.8	*
Open Reduction of Hip Fracture	14	7.1	6.8	*	14.3	13.1	*	14.3	17.4	*
Prostatectomy	31	0.0	1.7	*	0.0	3.9	*	0.0	6.3	*
Cholecystectomy	13	0.0	3.2	*	0.0	6.1	*	0.0	8.5	*
Hysterectomy	8	0.0	0.4	*	0.0	0.7	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NEW LONDON HOSPITAL ASSOCIATION INC

County Road
New London, NH 03257

Medicare Provider Number: 300009

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	383	6.8	10.5	4.5	13.8	15.9	3.0	16.7	20.1	3.3
CONDITIONS:										
Acute Myocardial Infarction	19	5.3	24.5	*	10.5	29.1	*	15.8	32.9	*
Congestive Heart Failure	21	9.5	13.9	*	23.8	21.6	*	33.3	28.3	*
Pneumonia/Influenza	20	20.0	19.9	*	20.0	27.5	*	25.0	32.7	*
Chronic Obstructive Pulmonary Disease	7	0.0	8.4	*	28.6	15.0	*	28.6	20.5	*
Transient Cerebral Ischemia	8	0.0	1.9	*	12.5	4.4	*	12.5	7.1	*
Stroke	20	20.0	25.2	*	30.0	32.5	*	30.0	37.6	*
Hip Fracture	9	11.1	5.4	*	22.2	9.6	*	22.2	12.4	*
Sepsis	3	33.3	41.4	*	66.7	56.0	*	66.7	64.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	2.8	*	0.0	6.1	*	0.0	9.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	4.9	*	0.0	9.0	*	0.0	11.7	*
Open Reduction of Hip Fracture	2	0.0	7.5	*	0.0	13.4	*	0.0	16.8	*
Prostatectomy	0									
Cholecystectomy	9	0.0	1.5	*	0.0	2.5	*	0.0	3.2	*
Hysterectomy	2	0.0	5.8	*	0.0	11.0	*	0.0	15.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	88
Occupancy Rate	74
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	26
Percent of Physicians Board Certified Specialists	100
Medical Residents/Interns	(Not Available)
Registered Nurses	(Not Available)
Licensed Practical Nurses	(Not Available)

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NEW LONDON HOSPITAL ASSOCIATION INC

Medicare Provider Number: 300009

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	318	7.9	11.7	3.6	14.5	17.2	3.9	18.6	21.3	3.9
CONDITIONS:										
Acute Myocardial Infarction	16	12.5	30.7	*	18.8	33.5	*	18.8	37.0	*
Congestive Heart Failure	12	8.3	20.0	*	16.7	29.1	*	25.0	35.9	*
Pneumonia/Influenza	18	11.1	15.3	*	22.2	21.2	*	27.8	25.4	*
Chronic Obstructive Pulmonary Disease	5	0.0	7.1	*	0.0	12.0	*	0.0	16.6	*
Transient Cerebral Ischemia	3	0.0	2.6	*	0.0	5.8	*	0.0	9.5	*
Stroke	20	5.0	22.8	*	20.0	29.7	*	40.0	34.6	*
Hip Fracture	5	20.0	6.4	*	20.0	11.8	*	20.0	15.2	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	3.6	*	0.0	8.0	*	0.0	12.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	100.0	10.4	*	100.0	19.1	*	100.0	23.6	*
Open Reduction of Hip Fracture	3	0.0	4.3	*	0.0	8.4	*	0.0	11.3	*
Prostatectomy	0									
Cholecystectomy	7	14.3	10.8	*	14.3	15.9	*	14.3	18.0	*
Hysterectomy	2	0.0	6.7	*	0.0	13.1	*	0.0	18.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	301	8.6	10.8	5.2	14.6	15.9	4.2	17.6	19.8	6.0
CONDITIONS:										
Acute Myocardial Infarction	16	18.8	30.3	*	25.0	34.0	*	31.3	37.5	*
Congestive Heart Failure	17	29.4	19.1	*	35.3	27.4	*	47.1	34.1	*
Pneumonia/Influenza	17	5.9	14.4	*	5.9	19.7	*	5.9	23.8	*
Chronic Obstructive Pulmonary Disease	3	0.0	6.5	*	0.0	10.8	*	33.3	14.6	*
Transient Cerebral Ischemia	4	0.0	3.1	*	25.0	6.7	*	25.0	9.9	*
Stroke	16	12.5	24.4	*	18.8	30.7	*	18.8	35.3	*
Hip Fracture	7	0.0	6.0	*	0.0	10.9	*	0.0	14.2	*
Sepsis	2	50.0	22.2	*	100.0	33.9	*	100.0	42.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.6	*	0.0	6.1	*	0.0	9.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	3.1	*	0.0	6.2	*	0.0	8.3	*
Open Reduction of Hip Fracture	4	0.0	5.8	*	0.0	10.8	*	0.0	14.1	*
Prostatectomy	0									
Cholecystectomy	9	11.1	4.5	*	11.1	7.1	*	11.1	9.4	*
Hysterectomy	4	0.0	3.9	*	0.0	8.9	*	0.0	13.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

NEWPORT HOSPITAL

167 Summer St
Newport, NH 03773

Medicare Provider Number: 300002

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	149	8.7	7.4	3.2	13.4	11.1	4.2	18.1	14.4	4.9
CONDITIONS:										
Acute Myocardial Infarction	5	20.0	17.7	*	20.0	20.1	*	20.0	23.0	*
Congestive Heart Failure	5	0.0	14.7	*	0.0	22.9	*	0.0	29.7	*
Pneumonia/Influenza	9	44.4	14.1	*	55.6	19.2	*	55.6	23.2	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	6	16.7	2.1	*	16.7	4.8	*	16.7	7.8	*
Stroke	5	20.0	19.6	*	40.0	26.2	*	60.0	31.0	*
Hip Fracture	4	0.0	6.2	*	0.0	11.4	*	0.0	15.1	*
Sepsis	2	50.0	36.9	*	50.0	41.6	*	100.0	47.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	6.2	*	0.0	11.8	*	0.0	15.7	*
Open Reduction of Hip Fracture	2	0.0	5.2	*	0.0	10.2	*	0.0	13.7	*
Prostatectomy	1	0.0	2.0	*	100.0	5.5	*	100.0	9.8	*
Cholecystectomy	8	0.0	2.8	*	0.0	4.2	*	0.0	5.2	*
Hysterectomy	3	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	27
Occupancy Rate	30
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	11
Percent of Physicians Board Certified Specialists	100
Medical Residents/Interns	0
Registered Nurses	10
Licensed Practical Nurses	7

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NEWPORT HOSPITAL

Medicare Provider Number: 300002

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	234	6.8	9.1	2.4	10.7	13.5	2.8	13.7	17.2	3.7
CONDITIONS:										
Acute Myocardial Infarction	11	9.1	27.8	*	9.1	33.2	*	9.1	37.8	*
Congestive Heart Failure	5	20.0	13.3	*	40.0	19.2	*	40.0	24.7	*
Pneumonia/Influenza	14	7.1	14.0	*	14.3	19.5	*	14.3	23.9	*
Chronic Obstructive Pulmonary Disease	3	0.0	10.3	*	0.0	19.3	*	33.3	26.9	*
Transient Cerebral Ischemia	3	0.0	1.8	*	0.0	3.8	*	0.0	6.0	*
Stroke	8	37.5	20.8	*	37.5	27.2	*	37.5	32.0	*
Hip Fracture	4	25.0	5.4	*	25.0	10.1	*	25.0	13.3	*
Sepsis	3	0.0	28.1	*	0.0	37.8	*	0.0	44.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	0.9	*	0.0	2.1	*	0.0	3.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	4	25.0	4.7	*	25.0	9.2	*	25.0	12.3	*
Prostatectomy	3	0.0	0.2	*	0.0	0.5	*	0.0	0.9	*
Cholecystectomy	5	0.0	0.5	*	0.0	1.0	*	0.0	1.4	*
Hysterectomy	0									

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	231	9.1	8.7	5.0	13.9	13.1	5.2	17.7	16.7	3.1
CONDITIONS:										
Acute Myocardial Infarction	9	22.2	31.2	*	44.4	34.8	*	44.4	38.8	*
Congestive Heart Failure	5	20.0	14.1	*	20.0	21.4	*	40.0	27.9	*
Pneumonia/Influenza	20	15.0	16.1	*	15.0	22.3	*	20.0	26.8	*
Chronic Obstructive Pulmonary Disease	3	0.0	6.7	*	0.0	12.0	*	33.3	16.0	*
Transient Cerebral Ischemia	3	0.0	1.3	*	0.0	2.6	*	0.0	4.1	*
Stroke	9	33.3	20.9	*	33.3	27.4	*	33.3	32.2	*
Hip Fracture	5	0.0	6.1	*	0.0	11.5	*	0.0	15.2	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	51.3	*	100.0	74.9	*	100.0	84.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	3	0.0	5.3	*	0.0	10.3	*	0.0	13.9	*
Prostatectomy	0									
Cholecystectomy	6	0.0	1.5	*	0.0	2.5	*	0.0	3.2	*
Hysterectomy	1	0.0	0.5	*	0.0	0.8	*	0.0	1.2	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PARKLAND MEDICAL CENTER

1 Parkland Drive
Derry, NH 03038

Medicare Provider Number: 300017

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	495	8.3	10.1	2.0	12.7	15.2	2.7	16.4	19.2	3.1
CONDITIONS:										
Acute Myocardial Infarction	28	17.9	26.5	*	25.0	31.3	*	28.6	35.2	*
Congestive Heart Failure	29	10.3	17.1	*	13.8	26.3	*	27.6	33.7	*
Pneumonia/Influenza	20	5.0	12.2	*	5.0	16.3	*	10.0	19.9	*
Chronic Obstructive Pulmonary Disease	10	10.0	6.3	*	10.0	10.6	*	10.0	14.7	*
Transient Cerebral Ischemia	7	0.0	2.0	*	0.0	4.1	*	14.3	6.3	*
Stroke	17	17.6	27.0	*	23.5	35.1	*	29.4	40.1	*
Hip Fracture	18	5.6	7.3	*	11.1	12.9	*	11.1	16.4	*
Sepsis	1	0.0	8.9	*	0.0	11.9	*	0.0	14.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	2.6	*	0.0	5.5	*	0.0	8.7	*
Carotid Endarterectomy	2	0.0	2.2	*	0.0	4.8	*	0.0	6.9	*
Hip Replacement/Reconstruction	11	0.0	3.6	*	0.0	6.7	*	0.0	8.8	*
Open Reduction of Hip Fracture	11	9.1	7.2	*	18.2	13.4	*	18.2	17.4	*
Prostatectomy	8	0.0	2.0	*	0.0	4.9	*	0.0	7.8	*
Cholecystectomy	7	0.0	6.4	*	14.3	12.2	*	14.3	16.7	*
Hysterectomy	2	0.0	0.7	*	0.0	1.8	*	0.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	83
Occupancy Rate	55
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	70
Percent of Physicians Board Certified Specialists	96
Medical Residents/Interns	0
Registered Nurses	87
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

PARKLAND MEDICAL CENTER

Medicare Provider Number: 300017

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	533	9.0	9.6	1.4	14.3	14.6	1.6	17.8	18.3	1.9
CONDITIONS:										
Acute Myocardial Infarction	26	46.2	27.6	*	46.2	31.7	*	50.0	35.5	*
Congestive Heart Failure	24	8.3	18.3	*	16.7	27.8	*	25.0	35.3	*
Pneumonia/Influenza	23	17.4	16.7	*	21.7	22.0	*	30.4	26.3	*
Chronic Obstructive Pulmonary Disease	11	9.1	6.3	*	9.1	11.1	*	18.2	15.6	*
Transient Cerebral Ischemia	11	9.1	2.5	*	9.1	5.5	*	9.1	8.7	*
Stroke	20	15.0	19.9	*	20.0	26.1	*	25.0	30.5	*
Hip Fracture	18	0.0	8.5	*	0.0	14.8	*	0.0	18.5	*
Sepsis	2	0.0	32.4	*	0.0	36.8	*	0.0	42.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	11.1	*	20.0	15.2	*	40.0	18.7	*
Carotid Endarterectomy	3	0.0	1.4	*	0.0	2.7	*	0.0	4.1	*
Hip Replacement/Reconstruction	5	0.0	9.6	*	0.0	17.0	*	0.0	21.0	*
Open Reduction of Hip Fracture	11	0.0	6.9	*	0.0	12.6	*	0.0	16.1	*
Prostatectomy	10	0.0	0.8	*	0.0	2.0	*	0.0	3.5	*
Cholecystectomy	8	0.0	5.3	*	12.5	9.5	*	25.0	11.9	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	519	7.5	8.7	1.9	13.9	13.3	4.0	17.5	17.0	4.4
CONDITIONS:										
Acute Myocardial Infarction	31	9.7	24.5	*	12.9	28.7	*	16.1	32.4	*
Congestive Heart Failure	17	5.9	17.3	*	17.6	25.7	*	23.5	32.5	*
Pneumonia/Influenza	20	20.0	17.2	*	30.0	22.9	*	35.0	27.3	*
Chronic Obstructive Pulmonary Disease	9	0.0	5.1	*	22.2	9.2	*	22.2	12.9	*
Transient Cerebral Ischemia	5	0.0	2.2	*	0.0	5.0	*	0.0	8.0	*
Stroke	14	0.0	20.4	*	14.3	26.6	*	14.3	31.0	*
Hip Fracture	26	7.7	6.8	*	11.5	12.5	*	23.1	16.2	*
Sepsis	3	33.3	22.9	*	66.7	28.5	*	66.7	33.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	5.9	*	0.0	10.5	*	0.0	13.8	*
Carotid Endarterectomy	2	0.0	1.1	*	0.0	2.0	*	0.0	2.9	*
Hip Replacement/Reconstruction	10	0.0	3.2	*	0.0	6.1	*	20.0	8.2	*
Open Reduction of Hip Fracture	11	9.1	8.4	*	9.1	15.8	*	9.1	20.7	*
Prostatectomy	3	0.0	0.7	*	0.0	1.6	*	0.0	2.8	*
Cholecystectomy	17	0.0	2.7	*	5.9	5.0	*	5.9	6.4	*
Hysterectomy	3	0.0	3.8	*	0.0	8.5	*	33.3	12.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

PORTSMOUTH REGIONAL HOSPITAL

333-343 Borthwick Ave, P O Box 7004
Portsmouth, NH 03801

Medicare Provider Number: 300029

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	1,128	9.8	9.1	1.7	13.9	13.6	1.7	17.7	17.2	1.4
CONDITIONS:										
Acute Myocardial Infarction	40	52.5	27.8	*	57.5	31.2	*	62.5	34.5	*
Congestive Heart Failure	41	7.3	13.2	*	9.8	20.5	*	19.5	26.8	*
Pneumonia/Influenza	45	13.3	17.3	*	17.8	23.7	*	24.4	28.5	*
Chronic Obstructive Pulmonary Disease	28	7.1	13.5	*	21.4	20.4	*	25.0	26.1	*
Transient Cerebral Ischemia	9	0.0	1.9	*	0.0	4.1	*	11.1	6.5	*
Stroke	33	12.1	20.2	*	18.2	25.8	*	30.3	30.1	*
Hip Fracture	32	9.4	6.4	*	12.5	11.8	*	15.6	15.6	*
Sepsis	4	0.0	29.4	*	0.0	36.7	*	0.0	43.9	*
PROCEDURES:										
Angioplasty	12	50.0	7.3	*	50.0	8.4	*	50.0	9.8	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	0.0	2.5	*	0.0	5.5	*	0.0	8.7	*
Carotid Endarterectomy	1	0.0	1.1	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction	19	0.0	2.9	*	0.0	6.0	*	0.0	8.5	*
Open Reduction of Hip Fracture	18	16.7	6.3	*	22.2	12.1	*	27.8	16.2	*
Prostatectomy	48	0.0	0.9	*	0.0	2.2	*	2.1	3.7	*
Cholecystectomy	15	0.0	3.1	*	0.0	6.1	*	0.0	8.7	*
Hysterectomy	6	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	114
Occupancy Rate	73
Ownership/Control	Private, For Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	117
Percent of Physicians Board Certified Specialists	85
Medical Residents/Interns	0
Registered Nurses	157
Licensed Practical Nurses	23

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

PORTSMOUTH REGIONAL HOSPITAL

Medicare Provider Number: 300029

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,047	9.6	9.1	1.4	13.8	13.6	1.3	17.0	17.2	1.3
CONDITIONS:										
Acute Myocardial Infarction	28	35.7	26.9	*	42.9	30.4	*	42.9	34.0	*
Congestive Heart Failure	35	11.4	16.0	*	11.4	24.4	*	17.1	31.3	*
Pneumonia/Influenza	51	15.7	14.6	5.1	29.4	20.0	8.8	33.3	24.3	9.2
Chronic Obstructive Pulmonary Disease	25	4.0	9.8	*	12.0	15.3	*	12.0	20.2	*
Transient Cerebral Ischemia	10	0.0	2.0	*	0.0	4.1	*	0.0	6.3	*
Stroke	27	29.6	29.3	*	33.3	36.1	*	37.0	41.2	*
Hip Fracture	38	5.3	7.1	*	15.8	12.9	*	18.4	16.6	*
Sepsis	6	16.7	35.7	*	33.3	43.4	*	50.0	49.6	*
PROCEDURES:										
Angioplasty	14	21.4	15.1	*	21.4	16.3	*	21.4	17.8	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	38.4	*	100.0	45.6	*	100.0	50.5	*
Carotid Endarterectomy	3	0.0	1.4	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	20	5.0	4.4	*	10.0	8.5	*	15.0	11.2	*
Open Reduction of Hip Fracture	19	5.3	6.8	*	21.1	12.6	*	26.3	16.2	*
Prostatectomy	44	2.3	0.8	*	2.3	1.9	*	2.3	3.2	*
Cholecystectomy	21	4.8	2.9	*	9.5	5.5	*	19.0	7.4	*
Hysterectomy	13	0.0	1.1	*	0.0	2.5	*	7.7	3.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,066	8.2	8.3	1.1	12.9	12.6	1.9	15.9	16.2	2.4
CONDITIONS:										
Acute Myocardial Infarction	38	28.9	24.8	*	36.8	28.1	*	39.5	31.3	*
Congestive Heart Failure	54	14.8	15.6	5.0	22.2	23.7	6.3	25.9	30.5	7.9
Pneumonia/Influenza	47	21.3	16.7	*	25.5	22.7	*	27.7	27.7	*
Chronic Obstructive Pulmonary Disease	24	0.0	7.0	*	0.0	12.6	*	4.2	17.6	*
Transient Cerebral Ischemia	18	0.0	2.1	*	5.6	4.4	*	16.7	7.0	*
Stroke	36	25.0	23.2	*	33.3	30.0	*	36.1	34.9	*
Hip Fracture	29	6.9	5.2	*	13.8	9.8	*	20.7	13.0	*
Sepsis	10	50.0	36.3	*	60.0	44.9	*	70.0	51.2	*
PROCEDURES:										
Angioplasty	2	50.0	11.2	*	50.0	12.5	*	50.0	14.1	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	1.9	*	25.0	4.8	*	25.0	8.1	*
Carotid Endarterectomy	7	0.0	1.5	*	0.0	3.0	*	0.0	4.6	*
Hip Replacement/Reconstruction	13	7.7	2.5	*	15.4	5.0	*	15.4	6.9	*
Open Reduction of Hip Fracture	21	4.8	4.7	*	14.3	9.2	*	23.8	12.6	*
Prostatectomy	38	0.0	0.8	*	0.0	1.8	*	0.0	2.9	*
Cholecystectomy	14	0.0	2.3	*	0.0	4.0	*	7.1	5.1	*
Hysterectomy	5	0.0	0.3	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

411.1

HCA Portsmouth
Regional Hospital

January 11, 1991

Medicare Provider Number:
30-00029

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Ms. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

The commentary below represents our response after reviewing the Medicare Mortality Data for Portsmouth Regional Hospital. While we applaud HCFA's intent in preparing this annual information, our results in this year's report once again point out the problems inherent in promoting this data as a quality tool that consumers can use in evaluating health care.

For example, Portsmouth Regional Hospital's data lists an observed rate of death from acute myocardial infarctions as being above the rate predicted. These calculations do not consider the fact that Portsmouth Regional Hospital was the only Seacoast New Hampshire hospital with a cardiac catheterization laboratory for much of the year in question. As a result, the hospital, with its well known expertise in cardiac care, served as a referral center for persons experiencing acute heart problems. In fact, detailed analysis shows that in several of the cases cited, patients were transferred here from other hospitals in extremely poor condition. Therefore, it is grossly inaccurate to compare Portsmouth Regional Hospital's ratings to those of other general community hospitals, most of whom do not have comparable facilities.

It is also of importance to note that the numbers involved in all of the calculations for Portsmouth Regional Hospital were so small that HCFA itself admits that it was impossible to even calculate standard deviation rates. This alone calls into question the statistical validity of the sample. On detailed review of the twenty-five cardiac deaths listed, one finds that 40% of deaths were in persons over 80 years of age. It is not uncommon that many older people elect to sign Living Wills or that their family members do not choose to have advanced lifesaving technology utilized on an elderly spouse or parent. In this sample, 24% of those who died had made such decisions.

333 Borthwick Avenue
P O Box 7004
Portsmouth, New Hampshire 03801-7004
Telephone (603) 436-5110
A subsidiary of HCA The Healthcare Company

In addition, two of the deaths listed occurred at other hospitals where the patients had been referred for cardiac bypass surgery. The outcome, thus, may have had little relation to the care provided at Portsmouth Regional Hospital.

When one looks at the angioplasty category in the data, one's interpretation can again be totally in error unless consideration is given to the actual types of angioplasties performed. In most facilities offering this procedure, the bulk of the procedures are for diagnostic purposes. Because Portsmouth Regional Hospital does not have a back-up open heart surgery program, only emergency angioplasties are performed in order to reduce severe damage or save the life of a patient in the midst of an acute heart attack. Obviously, mortality rates in this situation would be much higher than what would occur in a facility doing routine diagnostic procedures. This also explains the extremely low numbers (6 deaths) listed for this category.

Moving on to the hip fracture and open reduction of hip fracture categories, one sees that both categories represent five patient deaths. On individual analysis of such small numbers, it is difficult to say how much bearing, if any, the hip injury had on the actual death. Two of the patients involved had metastatic cancer at the time of the hip injury, and both went on to die from that disease. In fact, if these two cases were excluded from the tally, the observed rate would be within HCFA's predicted number. In addition, one 88 year old patient experienced a cardiac arrest 14 days after discharge home. The family had requested no heroic measures in her care. The fourth patient died of a stroke and also had a history of colon cancer and chronic obstructive lung disease. The patient had a Living Will, so again no heroic measures were used. The fifth patient died of severe gastrointestinal bleeding on a readmission to the hospital 90 days after the discharge in question. Since she also had end stage Alzheimer's disease, the family requested that no aggressive treatments be employed.

Throughout its history,Portsmouth Regional Hospital has aggressively implemented a wide range of quality assurance and total quality management activities. In fact, the hospital was cited by the Joint Commission on the Accreditation of Hospitals for being in the top ten per cent of hospitals nationwide. While the hospital encourages quality initiatives in health care at all levels, we encourage the public to use caution in interpreting this mortality data and to view it in context within the wide range of qulity measurements utilized by hospitals nationwide.

Sincerely,

William J Schuler

William J. Schuler
President and CEO

SPEARE MEMORIAL HOSPITAL

Hospital Rd
Plymouth, NH 03264

Medicare Provider Number: 300010

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	296	5.7	10.1	5.2	11.1	15.2	5.4	15.5	19.2	5.5
CONDITIONS:										
Acute Myocardial Infarction	11	27.3	18.0	*	27.3	20.5	*	27.3	23.4	*
Congestive Heart Failure	21	14.3	16.7	*	19.0	25.5	*	28.6	32.5	*
Pneumonia/Influenza	15	6.7	14.1	*	13.3	19.6	*	26.7	24.1	*
Chronic Obstructive Pulmonary Disease	12	0.0	4.7	*	8.3	8.5	*	8.3	12.1	*
Transient Cerebral Ischemia	4	0.0	2.1	*	0.0	4.8	*	0.0	8.0	*
Stroke	12	16.7	23.2	*	16.7	29.6	*	25.0	33.6	*
Hip Fracture	9	0.0	7.6	*	11.1	13.5	*	22.2	17.5	*
Sepsis	4	0.0	28.0	*	0.0	36.7	*	0.0	42.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	1.3	*	0.0	2.6	*	0.0	3.6	*
Open Reduction of Hip Fracture	3	0.0	7.1	*	33.3	12.9	*	66.7	16.8	*
Prostatectomy	1	0.0	2.1	*	0.0	6.0	*	0.0	10.9	*
Cholecystectomy	10	0.0	1.5	*	0.0	2.9	*	0.0	4.1	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	47
Occupancy Rate	38
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	22
Percent of Physicians Board Certified Specialists	95
Medical Residents/Interns	0
Registered Nurses	40
Licensed Practical Nurses	4

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SPEARE MEMORIAL HOSPITAL

Medicare Provider Number: 300010

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	308	7.8	12.3	2.7	14.3	18.3	3.3	17.5	22.6	3.4
CONDITIONS:										
Acute Myocardial Infarction	19	5.3	25.9	*	21.1	30.1	*	21.1	34.2	*
Congestive Heart Failure	13	23.1	15.9	*	23.1	23.7	*	30.8	29.9	*
Pneumonia/Influenza	15	13.3	14.9	*	26.7	20.5	*	26.7	24.5	*
Chronic Obstructive Pulmonary Disease	5	0.0	8.3	*	0.0	15.4	*	0.0	21.7	*
Transient Cerebral Ischemia	6	0.0	1.9	*	0.0	4.2	*	0.0	6.6	*
Stroke	10	10.0	23.6	*	20.0	30.7	*	40.0	35.6	*
Hip Fracture	8	0.0	6.5	*	0.0	11.7	*	0.0	15.1	*
Sepsis	8	25.0	24.5	*	37.5	33.5	*	37.5	40.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	4.1	*	0.0	8.1	*	0.0	10.6	*
Open Reduction of Hip Fracture	4	0.0	6.6	*	0.0	12.1	*	0.0	15.6	*
Prostatectomy	0									
Cholecystectomy	6	0.0	5.6	*	0.0	9.7	*	0.0	11.9	*
Hysterectomy	2	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	307	7.5	10.3	4.1	15.0	15.9	6.2	18.6	20.1	6.9
CONDITIONS:										
Acute Myocardial Infarction	16	25.0	28.1	*	31.3	33.2	*	31.3	37.6	*
Congestive Heart Failure	21	9.5	18.5	*	28.6	28.4	*	38.1	36.1	*
Pneumonia/Influenza	16	12.5	18.3	*	18.8	25.1	*	31.3	30.2	*
Chronic Obstructive Pulmonary Disease	5	0.0	7.5	*	0.0	12.1	*	0.0	15.9	*
Transient Cerebral Ischemia	3	0.0	2.0	*	33.3	4.2	*	33.3	6.6	*
Stroke	9	11.1	22.3	*	22.2	28.0	*	33.3	31.8	*
Hip Fracture	5	0.0	7.1	*	0.0	12.5	*	0.0	15.8	*
Sepsis	1	100.0	12.9	*	100.0	18.0	*	100.0	23.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	25.0	4.6	*	25.0	9.1	*	25.0	12.4	*
Open Reduction of Hip Fracture	1	0.0	11.2	*	0.0	20.0	*	0.0	25.0	*
Prostatectomy	0									
Cholecystectomy	4	0.0	2.2	*	0.0	3.4	*	0.0	4.4	*
Hysterectomy	1	0.0	0.5	*	0.0	0.9	*	0.0	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST JOSEPH HOSPITAL

172 Kinsley St
Nashua, NH 03060

Medicare Provider Number: 300011

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,179	9.5	9.1	1.6	13.7	13.7	1.8	17.0	17.4	1.8
CONDITIONS:										
Acute Myocardial Infarction	59	25.4	27.4	6.8	25.4	30.9	8.4	27.1	34.3	10.8
Congestive Heart Failure	64	20.3	14.9	5.4	28.1	22.9	6.0	34.4	29.6	7.2
Pneumonia/Influenza	34	11.8	17.8	*	17.6	24.2	*	23.5	29.2	*
Chronic Obstructive Pulmonary Disease	23	4.3	9.0	*	8.7	15.3	*	13.0	20.7	*
Transient Cerebral Ischemia	22	4.5	1.7	*	4.5	3.7	*	4.5	6.0	*
Stroke	42	11.9	18.7	*	23.8	24.8	*	26.2	29.0	*
Hip Fracture	35	2.9	5.6	*	5.7	10.4	*	8.6	13.8	*
Sepsis	10	40.0	26.8	*	40.0	35.1	*	50.0	41.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	2.0	*	25.0	4.0	*	25.0	6.0	*
Carotid Endarterectomy	4	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	24	0.0	2.9	*	4.2	5.6	*	4.2	7.7	*
Open Reduction of Hip Fracture	9	11.1	6.9	*	11.1	12.8	*	22.2	16.7	*
Prostatectomy	36	0.0	1.0	*	0.0	2.5	*	0.0	4.3	*
Cholecystectomy	24	0.0	2.0	*	0.0	3.3	*	0.0	4.1	*
Hysterectomy	14	0.0	0.5	*	7.1	1.1	*	7.1	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	218
Occupancy Rate	64
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	141
Percent of Physicians Board Certified Specialists	65
Medical Residents/Interns	0
Registered Nurses	171
Licensed Practical Nurses	51

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

ST JOSEPH HOSPITAL

Medicare Provider Number: 300011

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,213	10.7	9.6	1.5	15.7	14.2	1.7	19.0	17.9	1.7
CONDITIONS:										
Acute Myocardial Infarction	48	37.5	32.2	*	39.6	35.2	*	43.8	38.6	*
Congestive Heart Failure	62	21.0	14.8	6.6	35.5	22.1	9.7	38.7	28.4	8.5
Pneumonia/Influenza	24	4.2	15.0	*	25.0	20.0	*	29.2	24.0	*
Chronic Obstructive Pulmonary Disease	10	30.0	9.2	*	40.0	16.1	*	40.0	21.5	*
Transient Cerebral Ischemia	18	0.0	2.3	*	0.0	5.0	*	5.6	7.8	*
Stroke	43	23.3	20.1	*	30.2	26.7	*	34.9	31.3	*
Hip Fracture	36	11.1	7.5	*	16.7	13.6	*	16.7	17.4	*
Sepsis	20	15.0	21.2	*	20.0	27.3	*	25.0	32.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	10.0	9.5	*	10.0	13.9	*	10.0	17.9	*
Carotid Endarterectomy	4	0.0	1.5	*	0.0	3.1	*	0.0	4.6	*
Hip Replacement/Reconstruction	14	7.1	6.1	*	7.1	11.0	*	7.1	13.9	*
Open Reduction of Hip Fracture	18	11.1	6.7	*	22.2	12.5	*	22.2	16.3	*
Prostatectomy	34	0.0	1.0	*	0.0	2.5	*	5.9	4.3	*
Cholecystectomy	25	0.0	2.7	*	0.0	5.0	*	0.0	6.5	*
Hysterectomy	6	0.0	0.6	*	0.0	1.2	*	0.0	1.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,222	9.3	9.4	2.8	15.1	14.1	4.5	18.3	17.8	4.8
CONDITIONS:										
Acute Myocardial Infarction	45	31.1	31.6	*	33.3	34.3	*	37.8	37.5	*
Congestive Heart Failure	61	14.8	15.1	4.7	23.0	22.0	6.4	27.9	28.2	5.8
Pneumonia/Influenza	28	14.3	18.1	*	32.1	24.4	*	35.7	29.5	*
Chronic Obstructive Pulmonary Disease	23	8.7	9.6	*	13.0	17.1	*	13.0	23.4	*
Transient Cerebral Ischemia	23	0.0	1.8	*	4.3	3.8	*	13.0	5.9	*
Stroke	51	25.5	23.2	6.7	31.4	30.1	9.3	41.2	34.7	9.8
Hip Fracture	40	2.5	6.8	*	17.5	12.2	*	17.5	15.8	*
Sepsis	13	23.1	26.6	*	30.8	34.7	*	30.8	40.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	5.5	*	0.0	9.9	*	0.0	13.6	*
Carotid Endarterectomy	8	0.0	2.0	*	0.0	4.0	*	0.0	5.7	*
Hip Replacement/Reconstruction	18	0.0	4.2	*	22.2	8.2	*	22.2	11.2	*
Open Reduction of Hip Fracture	16	0.0	6.4	*	12.5	11.7	*	12.5	15.3	*
Prostatectomy	42	0.0	1.0	*	4.8	2.5	*	4.8	4.2	*
Cholecystectomy	29	0.0	3.3	*	3.4	6.1	*	3.4	8.0	*
Hysterectomy	8	12.5	0.2	*	12.5	0.6	*	12.5	0.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

THE CHESHIRE MEDICAL CENTER

580 Court Street
Keene, NH 03431

Medicare Provider Number: 300019

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,275	9.3	9.4	1.8	15.3	14.1	3.4	18.8	17.9	3.7
CONDITIONS:										
Acute Myocardial Infarction	42	23.8	29.2	*	23.8	32.8	*	26.2	36.3	*
Congestive Heart Failure	66	10.6	15.0	6.5	21.2	23.4	7.2	30.3	30.3	5.7
Pneumonia/Influenza	90	14.4	15.7	4.1	22.2	21.4	5.1	24.4	25.8	5.9
Chronic Obstructive Pulmonary Disease	24	8.3	7.6	*	12.5	12.6	*	20.8	17.0	*
Transient Cerebral Ischemia	16	0.0	2.0	*	6.3	4.6	*	12.5	7.3	*
Stroke	45	17.8	19.2	*	24.4	25.4	*	26.7	29.7	*
Hip Fracture	44	6.8	7.1	*	18.2	12.9	*	25.0	16.8	*
Sepsis	17	11.8	26.6	*	17.6	35.3	*	29.4	42.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	12.5	1.6	*	12.5	3.3	*	25.0	5.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	36	2.8	2.4	*	5.6	4.6	*	5.6	6.3	*
Open Reduction of Hip Fracture	13	0.0	6.1	*	23.1	11.1	*	30.8	14.3	*
Prostatectomy	50	0.0	1.0	*	4.0	2.4	*	6.0	4.2	*
Cholecystectomy	12	0.0	0.9	*	0.0	1.8	*	0.0	2.5	*
Hysterectomy	6	0.0	0.8	*	0.0	1.9	*	0.0	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	173
Occupancy Rate	69
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	78
Percent of Physicians Board Certified Specialists	82
Medical Residents/Interns	0
Registered Nurses	176
Licensed Practical Nurses	27

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

THE CHESHIRE MEDICAL CENTER

Medicare Provider Number: 300019

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,368	8.1	8.9	0.9	12.6	13.5	1.1	16.4	17.1	1.2
CONDITIONS:										
Acute Myocardial Infarction	44	27.3	27.0	*	29.5	30.3	*	31.8	34.1	*
Congestive Heart Failure	61	18.0	17.1	4.9	24.6	25.7	5.7	34.4	32.7	6.4
Pneumonia/Influenza	77	15.6	15.9	4.4	19.5	21.5	5.2	23.4	25.9	5.8
Chronic Obstructive Pulmonary Disease	24	0.0	6.7	*	16.7	12.0	*	25.0	17.0	*
Transient Cerebral Ischemia	18	0.0	2.0	*	0.0	4.4	*	5.6	6.9	*
Stroke	48	10.4	21.6	*	22.9	28.2	*	27.1	32.8	*
Hip Fracture	32	0.0	7.5	*	3.1	13.4	*	3.1	17.0	*
Sepsis	19	15.8	23.4	*	15.8	29.4	*	15.8	34.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	2.1	*	11.1	4.2	*	11.1	6.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	34	0.0	2.8	*	0.0	5.2	*	0.0	6.9	*
Open Reduction of Hip Fracture	9	0.0	6.9	*	11.1	12.7	*	11.1	16.3	*
Prostatectomy	63	0.0	1.1	1.6	0.0	2.4	2.8	3.2	3.7	2.5
Cholecystectomy	16	0.0	2.1	*	6.3	3.9	*	6.3	5.1	*
Hysterectomy	14	0.0	1.0	*	7.1	2.0	*	7.1	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,382	7.5	8.8	1.2	12.3	13.2	1.0	15.2	16.8	1.3
CONDITIONS:										
Acute Myocardial Infarction	56	21.4	27.2	11.5	23.2	30.2	10.9	28.6	33.6	9.2
Congestive Heart Failure	66	18.2	15.8	4.9	22.7	24.0	5.4	24.2	30.7	6.9
Pneumonia/Influenza	70	7.1	16.6	8.4	14.3	22.3	9.5	17.1	26.7	8.4
Chronic Obstructive Pulmonary Disease	17	11.8	14.1	*	35.3	24.5	*	52.9	32.2	*
Transient Cerebral Ischemia	11	0.0	1.7	*	9.1	3.8	*	9.1	6.1	*
Stroke	49	24.5	26.4	*	32.7	33.9	*	32.7	38.8	*
Hip Fracture	55	14.5	7.0	5.8	20.0	12.8	6.4	20.0	16.6	5.5
Sepsis	9	11.1	33.3	*	11.1	40.6	*	11.1	46.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	10	0.0	4.8	*	0.0	9.3	*	10.0	13.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	41	0.0	2.8	*	0.0	5.5	*	0.0	7.4	*
Open Reduction of Hip Fracture	27	11.1	6.8	*	14.8	12.9	*	14.8	17.0	*
Prostatectomy	51	2.0	0.8	1.8	3.9	2.1	2.3	3.9	3.6	2.7
Cholecystectomy	17	0.0	2.3	*	0.0	3.7	*	0.0	4.6	*
Hysterectomy	12	0.0	0.3	*	0.0	0.5	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

THE MEMORIAL HOSPITAL

Intervale Road
North Conway, NH 03860

Medicare Provider Number: 300015

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	283	9.9	8.3	2.1	15.2	12.3	2.3	18.0	15.7	2.5
CONDITIONS:										
Acute Myocardial Infarction	16	31.3	29.8	*	37.5	32.9	*	43.8	36.6	*
Congestive Heart Failure	14	21.4	16.8	*	35.7	26.2	*	42.9	33.5	*
Pneumonia/Influenza	19	31.6	15.5	*	31.6	21.0	*	42.1	25.6	*
Chronic Obstructive Pulmonary Disease	4	0.0	6.4	*	0.0	11.1	*	0.0	14.9	*
Transient Cerebral Ischemia	1	0.0	1.5	*	0.0	3.3	*	0.0	5.3	*
Stroke	6	50.0	26.7	*	50.0	32.3	*	50.0	36.9	*
Hip Fracture	19	5.3	5.7	*	10.5	10.6	*	21.1	14.0	*
Sepsis	3	0.0	16.3	*	0.0	24.1	*	33.3	29.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	25.0	2.3	*	25.0	4.6	*	25.0	6.5	*
Open Reduction of Hip Fracture	12	0.0	4.4	*	8.3	8.6	*	16.7	11.7	*
Prostatectomy	0									
Cholecystectomy	6	0.0	2.6	*	0.0	4.5	*	0.0	5.9	*
Hysterectomy	4	0.0	2.8	*	0.0	6.2	*	0.0	9.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	56
Occupancy Rate	73
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	19
Percent of Physicians Board Certified Specialists	89
Medical Residents/Interns	0
Registered Nurses	39
Licensed Practical Nurses	4

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

THE MEMORIAL HOSPITAL

Medicare Provider Number: 300015

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	303	9.6	8.3	1.8	11.6	12.7	2.0	14.2	16.2	2.6
CONDITIONS:										
Acute Myocardial Infarction	13	23.1	26.5	*	30.8	30.2	*	30.8	34.2	*
Congestive Heart Failure	12	16.7	16.7	*	16.7	26.1	*	25.0	33.6	*
Pneumonia/Influenza	12	33.3	13.8	*	33.3	18.5	*	33.3	22.5	*
Chronic Obstructive Pulmonary Disease	1	0.0	4.4	*	0.0	8.0	*	0.0	11.5	*
Transient Cerebral Ischemia	11	0.0	1.5	*	0.0	3.3	*	0.0	5.4	*
Stroke	13	30.8	18.2	*	30.8	23.4	*	38.5	27.4	*
Hip Fracture	17	5.9	5.9	*	5.9	11.4	*	5.9	15.2	*
Sepsis	3	33.3	32.7	*	33.3	47.4	*	33.3	55.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	11.1	3.4	*	11.1	6.7	*	11.1	9.2	*
Open Reduction of Hip Fracture	11	0.0	5.6	*	0.0	11.3	*	0.0	15.3	*
Prostatectomy	0									
Cholecystectomy	9	0.0	3.9	*	0.0	7.6	*	11.1	9.9	*
Hysterectomy	4	0.0	4.7	*	0.0	10.1	*	0.0	14.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	296	8.8	8.9	3.9	13.5	13.2	3.5	14.9	16.8	5.9
CONDITIONS:										
Acute Myocardial Infarction	13	15.4	30.8	*	15.4	33.6	*	15.4	37.0	*
Congestive Heart Failure	19	15.8	17.6	*	26.3	26.6	*	31.6	33.8	*
Pneumonia/Influenza	12	8.3	14.6	*	8.3	19.2	*	8.3	23.1	*
Chronic Obstructive Pulmonary Disease	4	0.0	3.6	*	0.0	7.4	*	0.0	10.8	*
Transient Cerebral Ischemia	3	0.0	4.1	*	0.0	10.0	*	0.0	16.4	*
Stroke	12	33.3	23.9	*	33.3	31.2	*	33.3	36.4	*
Hip Fracture	16	6.3	5.2	*	6.3	9.7	*	6.3	12.9	*
Sepsis	3	33.3	26.0	*	33.3	33.1	*	33.3	39.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	11	9.1	2.7	*	9.1	5.6	*	9.1	8.0	*
Open Reduction of Hip Fracture	7	0.0	4.4	*	0.0	8.7	*	0.0	11.8	*
Prostatectomy	0									
Cholecystectomy	7	0.0	3.6	*	0.0	7.9	*	0.0	11.8	*
Hysterectomy	4	0.0	0.5	*	0.0	0.9	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

UPPER CONNECTICUT VALLEY HOSPITAL

Corliss Ln
Colebrook, NH 03576

Medicare Provider Number: 300033

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	173	15.0	12.2	3.6	18.5	18.4	3.8	20.2	23.3	6.4
CONDITIONS:										
Acute Myocardial Infarction	13	30.8	29.6	*	30.8	34.3	*	30.8	37.9	*
Congestive Heart Failure	10	20.0	21.9	*	50.0	34.5	*	70.0	43.5	*
Pneumonia/Influenza	17	29.4	16.7	*	35.3	22.8	*	35.3	27.7	*
Chronic Obstructive Pulmonary Disease	12	25.0	12.1	*	25.0	19.9	*	33.3	26.3	*
Transient Cerebral Ischemia	1	0.0	1.4	*	0.0	3.5	*	0.0	6.3	*
Stroke	3	0.0	18.9	*	0.0	24.0	*	0.0	28.3	*
Hip Fracture	0									
Sepsis	4	25.0	24.1	*	25.0	31.2	*	25.0	36.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	2	0.0	1.9	*	0.0	3.4	*	0.0	4.3	*
Hysterectomy	1	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	31
Occupancy Rate	29
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	9
Percent of Physicians Board Certified Specialists	89
Medical Residents/Interns	0
Registered Nurses	17
Licensed Practical Nurses	5

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

UPPER CONNECTICUT VALLEY HOSPITAL

Medicare Provider Number: 300033

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	203	13.3	12.1	3.2	19.7	18.1	3.0	25.6	22.7	3.3
CONDITIONS:										
Acute Myocardial Infarction	7	14.3	27.7	*	14.3	30.1	*	14.3	33.3	*
Congestive Heart Failure	11	0.0	16.7	*	0.0	25.2	*	9.1	32.2	*
Pneumonia/Influenza	17	11.8	14.5	*	17.6	20.2	*	29.4	24.7	*
Chronic Obstructive Pulmonary Disease	15	0.0	8.0	*	0.0	14.5	*	0.0	20.2	*
Transient Cerebral Ischemia	1	100.0	3.1	*	100.0	7.5	*	100.0	11.6	*
Stroke	10	50.0	28.7	*	60.0	36.9	*	80.0	42.6	*
Hip Fracture	0									
Sepsis	6	33.3	23.2	*	33.3	31.2	*	33.3	37.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	1	0.0	2.2	*	0.0	4.2	*	0.0	5.5	*
Hysterectomy	3	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	173	11.6	10.8	3.8	17.9	16.4	6.4	21.4	20.8	6.4
CONDITIONS:										
Acute Myocardial Infarction	5	40.0	43.1	*	40.0	47.6	*	80.0	51.8	*
Congestive Heart Failure	10	10.0	14.6	*	30.0	21.7	*	30.0	27.9	*
Pneumonia/Influenza	13	15.4	18.1	*	23.1	25.3	*	23.1	30.6	*
Chronic Obstructive Pulmonary Disease	11	18.2	8.3	*	18.2	15.4	*	18.2	21.3	*
Transient Cerebral Ischemia	3	0.0	1.4	*	0.0	3.1	*	0.0	5.1	*
Stroke	9	44.4	28.0	*	44.4	36.0	*	44.4	41.6	*
Hip Fracture	0									
Sepsis	3	33.3	21.6	*	33.3	29.0	*	33.3	34.8	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	3	0.0	0.9	*	0.0	1.6	*	0.0	2.2	*
Hysterectomy	2	0.0	0.6	*	0.0	1.1	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WEEKS MEMORIAL HOSPITAL

Middle Street
Lancaster, NH 03584

Medicare Provider Number: 300021

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	366	11.7	11.6	4.0	17.2	16.9	5.5	19.4	20.9	3.7
CONDITIONS:										
Acute Myocardial Infarction	19	21.1	23.3	*	26.3	26.9	*	26.3	30.3	*
Congestive Heart Failure	18	11.1	16.3	*	11.1	25.1	*	16.7	32.2	*
Pneumonia/Influenza	24	25.0	16.7	*	29.2	23.2	*	33.3	28.2	*
Chronic Obstructive Pulmonary Disease	2	0.0	6.5	*	0.0	12.3	*	0.0	17.5	*
Transient Cerebral Ischemia	1	0.0	1.7	*	0.0	3.3	*	0.0	5.0	*
Stroke	22	13.6	21.5	*	22.7	28.8	*	27.3	33.6	*
Hip Fracture	11	18.2	6.5	*	18.2	11.8	*	18.2	15.5	*
Sepsis	11	27.3	23.9	*	36.4	29.4	*	45.5	34.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	1.8	*	0.0	3.7	*	0.0	5.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	28.6	2.3	*	42.9	4.7	*	42.9	6.8	*
Open Reduction of Hip Fracture	9	11.1	5.7	*	11.1	11.0	*	11.1	14.7	*
Prostatectomy	8	0.0	0.9	*	0.0	2.3	*	0.0	4.1	*
Cholecystectomy	5	0.0	1.6	*	0.0	2.4	*	0.0	2.9	*
Hysterectomy	3	0.0	4.8	*	33.3	8.9	*	33.3	11.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	59
Occupancy Rate	42
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	16
Percent of Physicians Board Certified Specialists	81
Medical Residents/Interns	0
Registered Nurses	29
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WEEKS MEMORIAL HOSPITAL

Medicare Provider Number: 300021

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	400	8.2	11.4	2.4	14.7	16.8	2.8	18.5	21.1	3.0
CONDITIONS:										
Acute Myocardial Infarction	21	19.0	28.5	*	19.0	31.2	*	23.8	34.4	*
Congestive Heart Failure	35	11.4	16.8	*	22.9	24.9	*	25.7	31.8	*
Pneumonia/Influenza	22	18.2	15.1	*	22.7	20.9	*	27.3	25.5	*
Chronic Obstructive Pulmonary Disease	5	20.0	16.7	*	20.0	29.0	*	20.0	39.8	*
Transient Cerebral Ischemia	7	0.0	2.7	*	14.3	6.0	*	14.3	9.4	*
Stroke	15	33.3	17.4	*	33.3	23.0	*	33.3	26.9	*
Hip Fracture	5	20.0	6.7	*	20.0	11.9	*	20.0	15.1	*
Sepsis	7	0.0	20.6	*	28.6	31.2	*	42.9	38.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	20.0	9.4	*	20.0	11.8	*	20.0	14.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	16.7	3.8	*	16.7	7.1	*	16.7	9.4	*
Open Reduction of Hip Fracture	1	0.0	2.1	*	0.0	4.6	*	0.0	6.9	*
Prostatectomy	5	0.0	1.5	*	0.0	4.1	*	0.0	7.2	*
Cholecystectomy	5	0.0	6.0	*	0.0	9.9	*	0.0	12.3	*
Hysterectomy	1	0.0	0.3	*	0.0	0.7	*	0.0	0.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	404	9.2	10.6	2.7	15.6	16.0	1.8	17.3	20.4	3.1
CONDITIONS:										
Acute Myocardial Infarction	18	11.1	21.9	*	11.1	25.2	*	11.1	28.5	*
Congestive Heart Failure	23	30.4	14.9	*	34.8	21.5	*	39.1	27.7	*
Pneumonia/Influenza	24	8.3	15.7	*	16.7	22.0	*	16.7	26.9	*
Chronic Obstructive Pulmonary Disease	7	0.0	8.1	*	0.0	13.4	*	0.0	17.6	*
Transient Cerebral Ischemia	6	0.0	2.2	*	16.7	4.8	*	16.7	7.6	*
Stroke	27	18.5	21.0	*	22.2	27.8	*	25.9	32.8	*
Hip Fracture	1	0.0	3.2	*	0.0	5.7	*	0.0	7.7	*
Sepsis	5	40.0	29.0	*	60.0	38.5	*	60.0	46.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	7.3	*	0.0	10.9	*	0.0	13.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	10	0.0	1.7	*	10.0	3.8	*	10.0	6.1	*
Cholecystectomy	4	0.0	16.1	*	25.0	23.1	*	25.0	25.2	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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FAMILY CENTERED CARE
WEEKS HOSPITAL ASSOCIATION
Weeks Memorial Hospital
WEEKS-CRAWFORD SKILLED NURSING FACILITY

Medicare Provider Number: 300021

January 11, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Mrs. Sandra Kappert:

Subject: For publication with HCFA Mortality Data

Thank you for the report on our hospital's mortality data. We have found the report informational and helpful for review; however, the report does promote the wrong perception. For example, 89 of the deaths are attributed to our hospital, of the 89 deaths 63 deaths occurred in our hospital with 26 deaths occurring outside our hospital. Of the 26 deaths, 4 of the deaths occurred in an excess of one year after discharge from this facility. In addition, the principal diagnosis noted on your reports can be misleading. The principal diagnosis from randomly selected discharges do not give a true diagnosis for mortality.

Although we found the information helpful to us, the report can be very misleading to the public. Our suggestion would be if HCFA was able to report the actual diagnosis for death and indicate hospital deaths versus external deaths in the region, we would find the informational report more meaningful.

Sincerely,

Ivy Slarve
Ivy Slarve, RRA
QA/RM Coordinator

Patsy Pilgrim
Patsy Pilgrim, RN
Chief Executive Officer

cc: NHHA

MIDDLE STREET • RR1, BOX 8 • LANCASTER, N.H. 03584 • 603-788-4911

WENTWORTH-DOUGLASS HOSPITAL

789 Central Ave
Dover, NH 03820

Medicare Provider Number: 300018

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,199	9.1	9.4	0.9	14.4	14.3	1.0	18.3	18.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	52	26.9	27.5	6.5	34.6	30.8	6.9	36.5	34.4	6.9
Congestive Heart Failure	76	11.8	15.0	6.8	18.4	22.8	7.3	23.7	29.5	8.9
Pneumonia/Influenza	46	10.9	14.3	*	10.9	19.6	*	17.4	24.0	*
Chronic Obstructive Pulmonary Disease	32	3.1	7.4	*	9.4	13.1	*	12.5	17.9	*
Transient Cerebral Ischemia	11	9.1	2.4	*	9.1	5.7	*	18.2	9.1	*
Stroke	45	24.4	20.4	*	26.7	26.3	*	26.7	30.7	*
Hip Fracture	38	2.6	5.9	*	5.3	10.8	*	10.5	14.2	*
Sepsis	8	37.5	25.4	*	37.5	33.4	*	37.5	40.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	5.2	*	16.7	8.4	*	16.7	10.8	*
Carotid Endarterectomy	1	0.0	1.4	*	0.0	2.8	*	0.0	3.9	*
Hip Replacement/Reconstruction	35	0.0	2.7	*	0.0	5.1	*	2.9	6.8	*
Open Reduction of Hip Fracture	21	4.8	5.4	*	9.5	10.1	*	14.3	13.6	*
Prostatectomy	18	0.0	0.7	*	0.0	1.8	*	0.0	3.2	*
Cholecystectomy	21	0.0	2.4	*	0.0	4.5	*	0.0	6.0	*
Hysterectomy	5	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	150
Occupancy Rate	69
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	89
Percent of Physicians Board Certified Specialists	87
Medical Residents/Interns	0
Registered Nurses	208
Licensed Practical Nurses	45

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

WENTWORTH-DOUGLASS HOSPITAL

Medicare Provider Number: 300018

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,353	10.9	8.4	1.1	14.8	12.7	1.1	17.6	16.3	1.2
CONDITIONS:										
Acute Myocardial Infarction	49	32.7	33.9	*	34.7	37.2	*	36.7	41.1	*
Congestive Heart Failure	92	19.6	14.9	5.8	25.0	22.9	4.9	31.5	29.6	5.1
Pneumonia/Influenza	37	16.2	14.9	*	21.6	20.0	*	24.3	24.3	*
Chronic Obstructive Pulmonary Disease	24	8.3	9.3	*	8.3	15.9	*	12.5	21.2	*
Transient Cerebral Ischemia	20	5.0	2.3	*	5.0	5.3	*	10.0	8.4	*
Stroke	53	26.4	20.3	6.4	32.1	26.1	7.0	34.0	30.6	6.6
Hip Fracture	38	7.9	6.1	*	13.2	11.2	*	15.8	14.6	*
Sepsis	4	100.0	22.0	*	100.0	33.8	*	100.0	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	16.7	4.1	*	16.7	8.0	*	16.7	11.2	*
Carotid Endarterectomy	2	0.0	1.2	*	0.0	2.7	*	0.0	4.1	*
Hip Replacement/Reconstruction	20	5.0	1.4	*	10.0	2.9	*	10.0	3.9	*
Open Reduction of Hip Fracture	24	4.2	5.5	*	8.3	10.7	*	12.5	14.4	*
Prostatectomy	37	0.0	0.5	*	0.0	1.3	*	0.0	2.3	*
Cholecystectomy	21	0.0	2.2	*	0.0	4.5	*	0.0	6.4	*
Hysterectomy	8	0.0	0.3	*	0.0	0.6	*	0.0	0.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,357	10.2	9.0	1.4	15.0	13.7	2.0	18.3	17.3	2.2
CONDITIONS:										
Acute Myocardial Infarction	65	32.3	28.5	6.4	32.3	31.5	5.9	36.9	34.8	6.2
Congestive Heart Failure	87	12.6	15.3	5.0	28.7	23.6	6.5	37.9	30.5	8.5
Pneumonia/Influenza	40	22.5	14.1	*	25.0	19.8	*	25.0	24.5	*
Chronic Obstructive Pulmonary Disease	6	16.7	10.2	*	16.7	19.4	*	16.7	27.0	*
Transient Cerebral Ischemia	26	0.0	2.2	*	0.0	4.7	*	3.8	7.5	*
Stroke	52	13.5	20.4	11.4	21.2	27.7	13.0	26.9	32.5	10.1
Hip Fracture	23	8.7	7.9	*	17.4	14.4	*	17.4	18.4	*
Sepsis	7	42.9	18.6	*	42.9	26.8	*	42.9	31.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	3.6	*	0.0	6.9	*	9.1	10.3	*
Carotid Endarterectomy	1	0.0	1.7	*	0.0	3.1	*	0.0	4.5	*
Hip Replacement/Reconstruction	19	5.3	3.2	*	10.5	6.0	*	15.8	7.9	*
Open Reduction of Hip Fracture	14	0.0	7.4	*	7.1	14.1	*	7.1	18.6	*
Prostatectomy	28	0.0	0.8	*	0.0	1.9	*	0.0	3.3	*
Cholecystectomy	26	7.7	3.0	*	15.4	5.8	*	15.4	7.7	*
Hysterectomy	12	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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WENTWORTH-DOUGLASS HOSPITAL

Medicare Provider #30-0018
January 10, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Mrs. Sandra Kappert

Dear Mrs. Kappert,

Wentworth-Douglass Hospital has completed its review of the mortality data submitted by the Health Care Financing Administration and is pleased to provide the following comments:

- We are extremely pleased with the modifications which the Health Care Financing Administration has made to the report, particularly in identification of observed versus predicted mortality and in delineation of three distinct time periods post admission. These changes have significantly increased the utility of the data in identifying and analyzing potential quality of care issues.

- Any analysis of hospital mortality rates must include an awareness of the severity of illness with which patients present on admission. It is important to note that Wentworth-Douglass Hospital, the largest general acute hospital in the Seacoast region of New Hampshire, provides specialty services to patients requiring complex medical intervention in such areas as trauma, cardiology, renal dialysis and oncology.

- We focused our review on 1989 data for which our observed rates exceeded those predicted 30 days or less post-admission. Although we have not identified any significant quality of care issues, we question whether the limited sample sizes may have elevated the rates; any conclusions with regard to potential quality issues must therefore be drawn cautiously.

Thank you for again providing Wentworth-Douglass Hospital with an opportunity to improve patient care.

Sincerely,

Ralph Gabarro
Ralph Gabarro
President/CEO

RG:ld

789 Central Avenue, Dover, New Hampshire 03820 / Telephone (603) 742-5252

Rhode Island

CRANSTON GENERAL HOSPITAL

1763 Broad Street
Cranston, RI 02905

Medicare Provider Number: 410002

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	578	8.8	9.6	2.0	12.8	14.5	1.9	17.5	18.4	1.8
CONDITIONS:										
Acute Myocardial Infarction	22	40.9	31.4	*	50.0	35.7	*	54.5	39.7	*
Congestive Heart Failure	30	16.7	14.3	*	20.0	22.1	*	23.3	28.7	*
Pneumonia/Influenza	25	16.0	16.3	*	24.0	22.1	*	32.0	26.4	*
Chronic Obstructive Pulmonary Disease	11	0.0	4.9	*	9.1	10.5	*	9.1	16.0	*
Transient Cerebral Ischemia	12	0.0	1.1	*	0.0	2.4	*	0.0	3.7	*
Stroke	11	9.1	18.6	*	18.2	23.8	*	27.3	27.9	*
Hip Fracture	6	16.7	7.6	*	16.7	14.9	*	16.7	20.0	*
Sepsis	12	33.3	38.7	*	33.3	45.3	*	41.7	52.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	1	0.0	2.8	*	0.0	3.8	*	0.0	4.5	*
Initial Pacemaker Insertion	2	0.0	1.8	*	0.0	3.4	*	0.0	5.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	2	50.0	9.9	*	50.0	20.1	*	50.0	27.1	*
Open Reduction of Hip Fracture	3	0.0	5.6	*	0.0	11.2	*	0.0	15.3	*
Prostatectomy	11	0.0	1.6	*	9.1	4.0	*	9.1	6.4	*
Cholecystectomy	10	0.0	1.6	*	0.0	2.5	*	0.0	3.4	*
Hysterectomy	2	0.0	0.3	*	0.0	0.6	*	0.0	0.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	79
Occupancy Rate	60
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	40
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	7
Registered Nurses	64
Licensed Practical Nurses	12

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CRANSTON GENERAL HOSPITAL

Medicare Provider Number: 410002

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	592	8.4	9.9	1.6	16.0	14.9	1.7	19.3	18.8	1.7
CONDITIONS:										
Acute Myocardial Infarction	24	25.0	29.0	*	33.3	33.2	*	37.5	36.8	*
Congestive Heart Failure	28	3.6	14.4	*	21.4	22.1	*	25.0	28.7	*
Pneumonia/Influenza	37	10.8	15.3	*	21.6	20.3	*	27.0	24.4	*
Chronic Obstructive Pulmonary Disease	10	0.0	10.4	*	0.0	17.3	*	0.0	21.3	*
Transient Cerebral Ischemia	13	0.0	1.7	*	0.0	3.6	*	0.0	5.6	*
Stroke	20	15.0	19.2	*	25.0	25.9	*	25.0	30.8	*
Hip Fracture	11	27.3	6.3	*	45.5	12.0	*	54.5	15.7	*
Sepsis	9	44.4	40.4	*	66.7	45.8	*	77.8	51.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	6.1	*	28.6	12.1	*	42.9	16.2	*
Open Reduction of Hip Fracture	3	33.3	5.6	*	33.3	11.1	*	33.3	14.9	*
Prostatectomy	7	0.0	1.3	*	14.3	3.4	*	14.3	6.0	*
Cholecystectomy	7	0.0	5.7	*	0.0	9.9	*	0.0	12.3	*
Hysterectomy	1	0.0	0.8	*	0.0	1.5	*	0.0	2.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	664	11.6	9.7	1.4	18.2	14.2	2.1	22.0	17.7	2.0
CONDITIONS:										
Acute Myocardial Infarction	21	33.3	27.9	*	38.1	30.9	*	38.1	34.3	*
Congestive Heart Failure	26	26.9	17.6	*	38.5	26.6	*	42.3	33.6	*
Pneumonia/Influenza	37	21.6	15.7	*	27.0	21.1	*	35.1	25.2	*
Chronic Obstructive Pulmonary Disease	15	13.3	9.6	*	26.7	15.7	*	26.7	20.2	*
Transient Cerebral Ischemia	19	5.3	1.7	*	15.8	3.9	*	26.3	6.3	*
Stroke	26	19.2	20.2	*	26.9	26.3	*	30.8	30.7	*
Hip Fracture	12	0.0	4.3	*	0.0	8.1	*	8.3	10.8	*
Sepsis	17	35.3	31.7	*	41.2	37.5	*	52.9	43.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	2.8	*	100.0	6.3	*	100.0	9.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	3.2	*	0.0	6.3	*	25.0	8.5	*
Open Reduction of Hip Fracture	6	0.0	4.3	*	0.0	8.6	*	0.0	11.9	*
Prostatectomy	13	0.0	0.9	*	7.7	2.2	*	7.7	3.7	*
Cholecystectomy	11	9.1	3.1	*	18.2	6.0	*	18.2	8.2	*
Hysterectomy	1	0.0	5.4	*	0.0	11.4	*	100.0	16.3	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

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CRANSTON GENERAL HOSPITAL
OSTEOPATHIC

Frederick Croft
Administrator

January 3, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
2-D-2, Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Ms. Sandra Kappert

Dear Ms. Kappert:

I would like to respond to your December 6, 1990 letter regarding the annual release of Medicare hospital mortality information. It would be appropriate, because the number of mortalities experienced at Cranston General Hospital in the specified procedures and conditions were so small, to reiterate that the precision and interpretability of your estimates could be questionable. In no category did Cranston General Hospital...Osteopathic have more than thirty cases, and therefore the standard deviation could not be predicted with accuracy.

Overall, the predicted mortality rate for our institution was 9.6 and our rate was 8.8, which is below that which was predicted and therefore satisfactory.

Again, I would like to thank you for the opportunity to respond to this information prior to its publication.

Sincerely,

Frederick Croft
Administrator

vtc

1763 Broad Street, Cranston, Rhode Island 02905. 1-401-781-9200

JOHN FOGARTY MEMORIAL HOSPITAL

Eddie Dowling Highway
Woonsocket, RI 02895

Medicare Provider Number: 410014

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1	0.0	20.1	*	100.0	33.5	*	100.0	43.9	*
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	1	0.0	20.1	*	100.0	33.5	*	100.0	43.9	*
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1986

Total Beds	116
Ownership/Control	Private, Non-Profit

STAFFING:

Medical Residents/Interns	0
Registered Nurses	43
Licensed Practical Nurses	27

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice	No
Intensive Care Unit	Yes
Organ Transplant	No
Rehabilitation	Yes
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

JOHN FOGARTY MEMORIAL HOSPITAL

Medicare Provider Number: 410014

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,022	6.8	9.4	1.2	11.5	14.3	1.4	15.4	18.2	1.5
CONDITIONS:										
Acute Myocardial Infarction	37	27.0	29.9	*	27.0	33.4	*	29.7	37.1	*
Congestive Heart Failure	76	14.5	16.5	5.0	25.0	25.1	5.1	30.3	32.1	5.7
Pneumonia/Influenza	42	14.3	20.1	*	21.4	26.8	*	26.2	31.9	*
Chronic Obstructive Pulmonary Disease	35	0.0	11.2	*	5.7	19.2	*	8.6	25.3	*
Transient Cerebral Ischemia	14	7.1	1.9	*	7.1	4.2	*	7.1	6.8	*
Stroke	29	13.8	20.5	*	24.1	28.1	*	24.1	32.9	*
Hip Fracture	30	13.3	7.9	*	23.3	14.3	*	30.0	18.4	*
Sepsis	7	0.0	27.5	*	14.3	33.4	*	14.3	39.2	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	3.3	*	16.7	6.4	*	16.7	9.0	*
Carotid Endarterectomy	1	0.0	1.0	*	0.0	1.7	*	0.0	2.5	*
Hip Replacement/Reconstruction	20	0.0	3.7	*	5.0	7.0	*	5.0	9.4	*
Open Reduction of Hip Fracture	12	16.7	6.8	*	25.0	13.3	*	33.3	17.9	*
Prostatectomy	46	0.0	1.6	*	0.0	3.7	*	2.2	5.9	*
Cholecystectomy	25	0.0	2.8	*	0.0	4.8	*	4.0	6.0	*
Hysterectomy	8	12.5	0.4	*	12.5	0.7	*	12.5	1.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,133	10.2	10.1	1.6	14.7	15.3	1.8	18.4	19.4	2.0
CONDITIONS:										
Acute Myocardial Infarction	37	24.3	28.1	*	32.4	31.4	*	35.1	34.9	*
Congestive Heart Failure	70	18.6	18.0	4.6	28.6	26.7	6.5	35.7	33.8	5.9
Pneumonia/Influenza	50	28.0	19.7	*	30.0	26.6	*	32.0	32.0	*
Chronic Obstructive Pulmonary Disease	42	7.1	11.4	*	11.9	18.9	*	14.3	24.4	*
Transient Cerebral Ischemia	25	0.0	2.1	*	0.0	4.7	*	4.0	7.5	*
Stroke	41	22.0	19.5	*	29.3	27.1	*	31.7	31.6	*
Hip Fracture	33	3.0	7.7	*	9.1	14.4	*	12.1	18.9	*
Sepsis	13	23.1	30.9	*	46.2	37.8	*	53.8	43.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	2.7	*	0.0	5.7	*	14.3	8.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	20	0.0	4.3	*	10.0	8.3	*	15.0	11.2	*
Open Reduction of Hip Fracture	18	5.6	6.5	*	5.6	12.7	*	11.1	17.2	*
Prostatectomy	51	3.9	1.6	2.6	3.9	3.9	2.8	3.9	6.5	4.2
Cholecystectomy	26	3.8	4.7	*	3.8	8.3	*	3.8	11.2	*
Hysterectomy	8	0.0	1.9	*	0.0	4.0	*	0.0	6.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

KENT COUNTRY MEMORIAL HOSPITAL

455 Toll Gate Rd
Warwick, RI 02886

Medicare Provider Number: 410009

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,943	8.4	9.6	0.7	13.4	14.5	0.8	17.3	18.4	0.8
CONDITIONS:										
Acute Myocardial Infarction	243	18.5	26.9	4.3	23.5	30.5	4.6	25.9	34.4	4.4
Congestive Heart Failure	260	16.2	16.2	2.3	23.5	25.0	3.1	29.6	32.1	4.7
Pneumonia/Influenza	164	18.3	18.4	3.1	24.4	24.9	3.6	29.3	30.0	3.8
Chronic Obstructive Pulmonary Disease	63	9.5	6.2	6.5	15.9	11.4	7.9	22.2	16.2	7.4
Transient Cerebral Ischemia	114	0.9	1.8	1.9	3.5	4.1	2.2	7.9	6.6	2.4
Stroke	156	17.9	20.9	4.7	25.0	27.7	5.0	30.8	32.0	3.9
Hip Fracture	113	5.3	6.1	4.2	8.0	11.2	5.4	10.6	14.8	6.7
Sepsis	65	15.4	20.5	6.6	27.7	28.4	6.2	30.8	34.0	6.6
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	4.3	3.8	*	4.3	7.1	*	4.3	9.9	*
Carotid Endarterectomy	32	0.0	1.3	*	0.0	2.5	*	3.1	3.6	*
Hip Replacement/Reconstruction	51	2.0	3.8	3.3	2.0	7.4	4.6	5.9	10.1	5.0
Open Reduction of Hip Fracture	80	6.3	5.6	2.9	8.7	10.7	3.9	10.0	14.2	5.5
Prostatectomy	139	0.0	1.1	1.1	1.4	2.4	2.0	1.4	4.0	2.8
Cholecystectomy	108	2.8	4.1	2.9	5.6	7.1	3.8	7.4	9.1	3.5
Hysterectomy	36	0.0	1.5	*	5.6	3.2	*	5.6	4.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	359
Occupancy Rate	88
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	160
Percent of Physicians Board Certified Specialists	71
Medical Residents/Interns	0
Registered Nurses	381
Licensed Practical Nurses	126

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

KENT COUNTRY MEMORIAL HOSPITAL

Medicare Provider Number: 410009

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,705	9.1	10.3	0.7	14.4	15.4	0.7	18.5	19.4	0.7
CONDITIONS:										
Acute Myocardial Infarction	192	27.6	28.7	4.2	33.3	32.6	3.8	38.5	36.8	3.7
Congestive Heart Failure	207	9.7	16.0	3.5	24.2	24.3	3.5	31.9	31.2	3.2
Pneumonia/Influenza	135	21.5	20.9	3.6	27.4	27.9	3.9	33.3	33.2	4.4
Chronic Obstructive Pulmonary Disease	77	11.7	7.4	4.8	18.2	13.4	5.2	20.8	18.6	4.6
Transient Cerebral Ischemia	102	2.0	1.8	1.4	3.9	3.9	2.6	6.9	6.2	3.7
Stroke	156	19.9	23.6	4.7	26.9	30.8	4.6	34.6	35.3	3.9
Hip Fracture	111	9.0	6.7	3.9	18.0	12.5	5.5	19.8	16.4	6.0
Sepsis	58	20.7	29.1	8.7	27.6	35.6	7.6	31.0	41.3	7.7
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	4.5	6.9	*	9.1	10.1	*	18.2	13.1	*
Carotid Endarterectomy	19	5.3	1.2	*	5.3	2.4	*	5.3	3.6	*
Hip Replacement/Reconstruction	60	5.0	3.7	3.7	8.3	7.6	4.4	10.0	10.5	4.0
Open Reduction of Hip Fracture	69	7.2	6.0	4.6	18.8	11.8	7.0	20.3	15.8	7.9
Prostatectomy	160	0.6	1.2	1.0	3.1	2.9	2.2	3.7	4.8	3.1
Cholecystectomy	86	2.3	2.5	2.5	2.3	4.6	3.6	3.5	6.2	4.5
Hysterectomy	26	3.8	0.8	*	3.8	1.7	*	3.8	2.5	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,696	9.8	10.1	0.9	14.6	15.2	1.1	18.8	19.2	1.2
CONDITIONS:										
Acute Myocardial Infarction	210	27.6	29.9	3.6	33.8	33.7	3.3	39.0	37.7	3.6
Congestive Heart Failure	209	18.2	16.1	2.9	24.9	24.3	3.0	31.6	31.2	3.2
Pneumonia/Influenza	148	20.3	19.9	3.4	25.7	26.9	4.0	33.1	32.4	3.9
Chronic Obstructive Pulmonary Disease	64	12.5	8.5	3.8	15.6	15.5	4.7	18.8	21.2	5.2
Transient Cerebral Ischemia	105	1.0	1.9	1.6	1.9	4.3	2.8	6.7	6.8	2.5
Stroke	153	21.6	21.9	3.4	29.4	29.2	4.1	34.0	33.7	3.9
Hip Fracture	105	4.8	6.4	3.3	8.6	12.0	5.3	11.4	15.9	6.5
Sepsis	34	17.6	35.4	*	26.5	43.4	*	32.4	50.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	9.1	3.8	*	13.6	7.1	*	13.6	10.1	*
Carotid Endarterectomy	13	0.0	1.4	*	0.0	2.7	*	0.0	3.9	*
Hip Replacement/Reconstruction	59	3.4	4.1	2.6	10.2	7.9	3.9	13.6	10.8	5.3
Open Reduction of Hip Fracture	69	2.9	5.6	5.0	5.8	11.0	7.6	8.7	14.7	8.3
Prostatectomy	183	1.6	1.3	1.1	2.2	3.2	1.7	4.4	5.3	2.3
Cholecystectomy	108	1.9	4.8	3.1	4.6	8.1	3.9	8.3	10.4	4.2
Hysterectomy	28	0.0	0.4	*	0.0	0.7	*	0.0	1.1	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

435.1

KENT COUNTY
MEMORIAL HOSPITAL
455 TOLL GATE ROAD • WARWICK, RHODE ISLAND • 02886 • (401) 737-7000

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

SUBJ: Medicare Hospital Mortality Information

Dear Mrs. Kappert:

We are pleased at the opportunity to comment once again on the selected mortality information to be published in the Spring of this year. In that regard, we offer the following comments for your consideration in your continuing efforts to improve the methodology and format used to compile and present this data.

Specifically, the description of the methodology does not discuss whether the existence of a hospital-based Home Care Program is considered. We believe this variable should be incorporated into the methodology. The readmission of critically ill Home Care Program patients could distort the institution's mortality rate. We believe this to be an issue which should be considered notwithstanding the fact that even with approximately two hundred (200) patients per day in Kent's Home Care Program during FY-1989, the Hospital's actual mortality rates compared favorably to the predicted rates. During FY-1990, our Home Care Department maintained a daily census of approximately 164 patients. Therefore, the omission of this variable in next year's analysis may further distort conclusions drawn from the mortality rate analysis.

We appreciate the modifications in your methodology and believe the value of this information to the hospital community in its quality improvement efforts has increased as a result of the continued refinement of your methodology.

Thank you for the opportunity to comment on these matters.

Very truly yours,

John J. Hynes, Esq.
President

Robert E. Baute, M.D.
Medical Director

JJH:REB:pap

VIA FEDERAL EXPRESS

LANDMARK MEDICAL CENTER INC

115 Cass Ave
Woonsocket, RI 02895

Medicare Provider Number: 410011

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,773	8.7	9.9	0.7	14.3	15.0	0.9	17.8	18.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	90	33.3	28.3	7.2	35.6	31.4	6.6	37.8	34.8	5.8
Congestive Heart Failure	217	12.4	15.8	4.7	19.8	24.4	3.9	27.6	31.3	4.1
Pneumonia/Influenza	138	13.8	16.6	3.9	23.9	22.5	3.8	26.8	27.1	3.8
Chronic Obstructive Pulmonary Disease	64	4.7	11.3	5.2	7.8	17.3	7.2	9.4	22.1	8.4
Transient Cerebral Ischemia	66	0.0	1.8	2.3	3.0	4.1	2.8	7.6	6.5	3.7
Stroke	81	17.3	16.9	4.2	35.8	24.0	6.3	40.7	28.3	6.3
Hip Fracture	86	3.5	6.6	4.4	9.3	12.0	5.7	12.8	15.7	5.6
Sepsis	27	22.2	29.5	*	29.6	36.5	*	37.0	42.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	4.0	2.6	*	4.0	5.6	*	8.0	8.4	*
Carotid Endarterectomy	2	0.0	0.9	*	0.0	1.6	*	50.0	2.4	*
Hip Replacement/Reconstruction	36	0.0	3.9	*	2.8	7.6	*	5.6	10.4	*
Open Reduction of Hip Fracture	54	3.7	6.0	4.2	9.3	11.4	5.2	13.0	15.0	5.6
Prostatectomy	122	0.0	1.0	1.2	2.5	2.4	1.9	2.5	4.0	2.4
Cholecystectomy	58	5.2	3.0	2.6	5.2	5.2	2.9	5.2	6.4	3.4
Hysterectomy	28	0.0	0.7	*	0.0	1.4	*	0.0	2.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	249
Occupancy Rate	75
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	109
Percent of Physicians Board Certified Specialists	58
Medical Residents/Interns	0
Registered Nurses	263
Licensed Practical Nurses	76

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

LANDMARK MEDICAL CENTER INC

Medicare Provider Number: 410011

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,113	8.8	10.3	1.0	14.5	15.7	1.0	19.0	19.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	81	27.2	28.0	5.1	34.6	31.4	5.4	38.3	35.1	5.7
Congestive Heart Failure	195	15.4	17.0	3.0	29.2	26.0	3.7	38.5	33.1	4.2
Pneumonia/Influenza	83	7.2	17.3	6.1	16.9	23.6	5.6	21.7	28.3	5.8
Chronic Obstructive Pulmonary Disease	61	1.6	8.1	4.6	1.6	14.0	6.8	8.2	19.3	7.2
Transient Cerebral Ischemia	63	1.6	2.0	1.8	1.6	4.4	3.2	3.2	7.0	4.3
Stroke	83	19.3	19.7	5.1	27.7	27.4	5.2	34.9	32.3	6.5
Hip Fracture	69	1.4	6.9	4.9	10.1	12.5	5.3	14.5	16.2	4.9
Sepsis	23	13.0	25.8	*	17.4	32.6	*	21.7	38.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	7.9	*	8.3	12.0	*	8.3	15.4	*
Carotid Endarterectomy	1	0.0	1.2	*	0.0	2.2	*	0.0	3.1	*
Hip Replacement/Reconstruction	28	3.6	4.4	*	7.1	9.0	*	14.3	12.4	*
Open Reduction of Hip Fracture	41	0.0	6.3	*	7.3	11.6	*	9.8	14.9	*
Prostatectomy	90	2.2	1.5	1.8	4.4	3.5	2.8	7.8	5.6	3.2
Cholecystectomy	36	8.3	4.4	*	8.3	7.6	*	11.1	9.6	*
Hysterectomy	19	0.0	0.9	*	0.0	1.9	*	0.0	2.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,076	8.2	10.2	0.9	13.1	15.6	1.0	16.5	19.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	72	31.9	30.2	5.5	40.3	33.7	6.1	44.4	37.0	6.4
Congestive Heart Failure	177	11.9	17.3	4.7	20.9	26.0	5.3	26.6	32.9	5.9
Pneumonia/Influenza	76	10.5	19.1	8.4	19.7	25.6	9.5	25.0	30.5	7.1
Chronic Obstructive Pulmonary Disease	77	5.2	12.1	4.9	11.7	20.4	6.0	16.9	26.5	6.2
Transient Cerebral Ischemia	44	2.3	2.3	*	6.8	5.1	*	9.1	8.1	*
Stroke	93	16.1	19.6	7.6	22.6	27.1	7.5	28.0	31.6	5.8
Hip Fracture	48	0.0	6.4	*	2.1	12.0	*	8.3	15.8	*
Sepsis	19	15.8	22.4	*	15.8	30.1	*	26.3	35.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	12	0.0	4.6	*	8.3	9.7	*	8.3	14.1	*
Carotid Endarterectomy	3	0.0	3.5	*	33.3	7.3	*	33.3	10.1	*
Hip Replacement/Reconstruction	20	0.0	4.5	*	0.0	9.2	*	5.0	12.5	*
Open Reduction of Hip Fracture	27	0.0	5.7	*	0.0	11.0	*	7.4	14.6	*
Prostatectomy	88	2.3	1.3	1.5	3.4	3.0	2.1	3.4	4.8	3.1
Cholecystectomy	50	0.0	2.9	*	0.0	5.4	*	2.0	7.3	*
Hysterectomy	13	7.7	1.2	*	7.7	2.5	*	7.7	3.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MEMORIAL HOSPITAL OF RHODE ISLAND

Prospect St
Pawtucket, RI 02860

Medicare Provider Number: 410001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,619	10.4	11.1	0.9	17.1	16.9	1.2	21.0	21.4	0.9
CONDITIONS:										
Acute Myocardial Infarction	136	23.5	30.7	6.1	32.4	34.2	7.5	35.3	38.0	4.4
Congestive Heart Failure	152	9.9	17.6	4.7	23.0	26.9	4.5	30.3	34.4	4.5
Pneumonia/Influenza	97	16.5	19.4	4.5	20.6	26.6	5.8	23.7	32.1	7.5
Chronic Obstructive Pulmonary Disease	37	2.7	9.1	*	13.5	14.9	*	13.5	19.8	*
Transient Cerebral Ischemia	22	0.0	1.8	*	4.5	3.9	*	9.1	6.1	*
Stroke	127	18.9	19.4	3.9	26.8	26.8	4.8	30.7	31.3	4.2
Hip Fracture	93	10.8	8.3	3.5	20.4	14.5	5.5	25.8	18.5	6.3
Sepsis	39	38.5	29.5	*	41.0	39.1	*	46.2	45.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	18.2	9.7	*	27.3	14.8	*	27.3	18.9	*
Carotid Endarterectomy	3	0.0	0.9	*	0.0	1.6	*	0.0	2.4	*
Hip Replacement/Reconstruction	38	7.9	5.1	*	13.2	9.3	*	13.2	12.3	*
Open Reduction of Hip Fracture	38	10.5	7.6	*	18.4	13.6	*	23.7	17.5	*
Prostatectomy	90	1.1	0.9	1.0	2.2	2.2	1.5	3.3	3.7	2.3
Cholecystectomy	31	0.0	3.7	*	9.7	7.4	*	12.9	10.5	*
Hysterectomy	27	3.7	1.1	*	7.4	2.2	*	7.4	3.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds	294
Ownership/Control	Private, Non-Profit

STAFFING:

Medical Residents/Interns	55
Registered Nurses	229
Licensed Practical Nurses	20

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice	No
Intensive Care Unit	Yes
Organ Transplant	No
Rehabilitation	Yes
Shock Trauma	Yes

**** Not used in calculating hospital mortality rates.**

MEMORIAL HOSPITAL OF RHODE ISLAND

Medicare Provider Number: 410001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,577	10.1	11.4	0.7	16.8	17.3	0.9	20.8	21.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	113	30.1	34.1	4.7	40.7	38.1	5.5	46.9	42.0	4.8
Congestive Heart Failure	154	13.0	20.3	4.3	21.4	30.2	5.0	28.6	37.8	5.9
Pneumonia/Influenza	98	13.3	18.0	4.3	25.5	24.3	4.4	30.6	29.0	4.9
Chronic Obstructive Pulmonary Disease	53	9.4	13.3	6.8	20.8	21.1	6.2	24.5	27.3	9.1
Transient Cerebral Ischemia	23	0.0	2.3	*	0.0	5.0	*	0.0	7.9	*
Stroke	103	23.3	22.6	4.2	34.0	30.4	5.1	35.0	35.2	6.6
Hip Fracture	68	7.4	7.7	3.7	16.2	13.8	5.7	22.1	17.7	8.0
Sepsis	30	26.7	32.7	*	33.3	42.2	*	36.7	49.5	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.7	*	0.0	4.9	*	0.0	7.0	*
Carotid Endarterectomy	2	0.0	1.2	*	50.0	2.1	*	50.0	3.0	*
Hip Replacement/Reconstruction	30	6.7	4.7	*	20.0	8.9	*	23.3	11.4	*
Open Reduction of Hip Fracture	19	5.3	7.5	*	10.5	13.9	*	15.8	18.0	*
Prostatectomy	86	1.2	1.6	1.4	4.7	3.9	2.7	7.0	6.3	3.2
Cholecystectomy	65	4.6	4.0	2.6	12.3	7.3	5.0	13.8	9.7	7.0
Hysterectomy	16	0.0	0.5	*	0.0	1.0	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,839	9.5	11.6	0.7	15.4	17.5	0.8	19.0	21.9	0.9
CONDITIONS:										
Acute Myocardial Infarction	171	24.6	32.7	4.5	28.1	36.9	5.0	29.2	40.8	5.4
Congestive Heart Failure	162	11.7	20.5	4.5	24.7	30.4	4.3	31.5	37.9	4.9
Pneumonia/Influenza	82	12.2	20.0	7.1	19.5	26.9	8.6	23.2	32.0	9.3
Chronic Obstructive Pulmonary Disease	64	7.8	13.3	6.5	21.9	22.0	5.9	29.7	28.2	6.2
Transient Cerebral Ischemia	43	0.0	2.1	*	0.0	4.5	*	0.0	7.1	*
Stroke	105	20.0	23.4	4.6	30.5	31.3	4.6	35.2	36.0	5.4
Hip Fracture	68	8.8	8.2	3.6	10.3	14.8	5.7	16.2	19.0	5.9
Sepsis	28	32.1	29.8	*	42.9	37.8	*	42.9	43.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	4.3	4.2	*	8.7	8.4	*	8.7	12.6	*
Carotid Endarterectomy	3	0.0	1.5	*	0.0	2.7	*	0.0	3.8	*
Hip Replacement/Reconstruction	35	8.6	3.7	*	14.3	6.9	*	20.0	9.2	*
Open Reduction of Hip Fracture	14	0.0	6.4	*	0.0	12.4	*	0.0	16.7	*
Prostatectomy	91	0.0	1.2	1.6	3.3	3.0	2.0	5.5	5.1	2.6
Cholecystectomy	54	7.4	5.2	4.1	16.7	10.1	6.5	24.1	13.7	8.5
Hysterectomy	23	0.0	0.8	*	0.0	1.6	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MIRIAM HOSPITAL

164 Summit Ave
Providence, RI 02906

Medicare Provider Number: 410012

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,263	8.3	9.3	0.7	13.0	14.1	0.9	16.3	17.9	1.0
CONDITIONS:										
Acute Myocardial Infarction	126	23.0	30.6	6.0	28.6	34.1	5.8	31.7	38.0	6.2
Congestive Heart Failure	140	13.6	18.2	3.7	20.7	27.8	5.0	24.3	35.3	6.1
Pneumonia/Influenza	94	11.7	17.1	5.9	22.3	23.4	4.9	26.6	28.0	4.9
Chronic Obstructive Pulmonary Disease	49	10.2	9.2	*	14.3	14.9	*	16.3	19.9	*
Transient Cerebral Ischemia	64	0.0	1.9	2.4	0.0	4.1	4.3	3.1	6.4	4.1
Stroke	109	13.8	21.7	6.1	20.2	28.6	7.2	23.9	33.0	6.9
Hip Fracture	72	4.2	7.6	4.6	8.3	13.1	5.7	11.1	16.5	5.6
Sepsis	43	27.9	27.4	*	37.2	37.2	*	44.2	43.7	*
PROCEDURES:										
Angioplasty	45	0.0	2.8	*	2.2	4.2	*	2.2	5.6	*
Coronary Artery Bypass Graft	87	4.6	6.1	4.3	6.9	9.2	5.1	8.0	10.9	5.2
Initial Pacemaker Insertion	18	5.6	2.3	*	11.1	4.6	*	16.7	6.8	*
Carotid Endarterectomy	7	0.0	1.2	*	0.0	1.9	*	0.0	2.7	*
Hip Replacement/Reconstruction	53	0.0	2.3	*	0.0	4.3	*	0.0	5.7	*
Open Reduction of Hip Fracture	49	2.0	7.0	*	8.2	12.5	*	12.2	16.1	*
Prostatectomy	109	0.9	1.0	1.0	0.9	2.3	1.9	3.7	3.9	1.9
Cholecystectomy	62	1.6	3.7	3.3	4.8	6.7	4.7	4.8	8.7	5.3
Hysterectomy	7	0.0	0.8	*	0.0	1.8	*	14.3	2.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	247
Occupancy Rate	90
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	326
Percent of Physicians Board Certified Specialists	87
Medical Residents/Interns	61
Registered Nurses	241
Licensed Practical Nurses	0

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MIRIAM HOSPITAL

Medicare Provider Number: 410012

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,187	7.8	9.3	0.9	13.6	14.0	0.7	17.2	17.7	0.7
CONDITIONS:										
Acute Myocardial Infarction	129	22.5	28.6	5.6	27.1	32.2	5.6	29.5	36.2	6.0
Congestive Heart Failure	109	17.4	17.5	3.7	28.4	26.5	4.6	33.9	33.8	5.4
Pneumonia/Influenza	103	19.4	18.1	5.5	28.2	24.7	6.7	30.1	29.6	4.8
Chronic Obstructive Pulmonary Disease	37	5.4	8.5	*	18.9	14.8	*	24.3	20.3	*
Transient Cerebral Ischemia	37	0.0	1.7	*	0.0	3.7	*	2.7	5.9	*
Stroke	110	15.5	20.2	4.4	20.0	27.1	5.9	20.9	31.6	6.8
Hip Fracture	84	7.1	7.8	3.0	11.9	13.7	4.0	19.0	17.3	5.1
Sepsis	42	21.4	28.2	*	40.5	36.7	*	47.6	42.6	*
PROCEDURES:										
Angioplasty	34	2.9	2.7	*	5.9	3.6	*	5.9	4.7	*
Coronary Artery Bypass Graft	73	5.5	6.8	4.2	9.6	9.4	3.9	11.0	10.9	3.7
Initial Pacemaker Insertion	4	0.0	3.6	*	0.0	7.4	*	0.0	10.8	*
Carotid Endarterectomy	8	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
Hip Replacement/Reconstruction	57	1.8	3.7	3.3	1.8	6.7	4.8	5.3	8.7	4.5
Open Reduction of Hip Fracture	48	2.1	6.4	*	10.4	11.8	*	18.8	15.2	*
Prostatectomy	115	0.0	1.8	2.7	3.5	3.9	2.9	7.0	5.9	3.7
Cholecystectomy	59	1.7	4.3	4.0	3.4	7.6	6.4	5.1	9.7	7.1
Hysterectomy	8	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,095	7.8	9.8	0.6	13.0	14.8	0.9	16.5	18.6	0.7
CONDITIONS:										
Acute Myocardial Infarction	118	26.3	28.7	4.7	34.7	32.2	5.1	36.4	36.0	4.4
Congestive Heart Failure	151	11.3	20.7	5.1	21.2	30.4	4.6	31.1	37.6	4.4
Pneumonia/Influenza	96	12.5	19.6	7.8	19.8	26.1	9.7	24.0	30.9	9.5
Chronic Obstructive Pulmonary Disease	38	7.9	8.6	*	13.2	15.7	*	15.8	21.3	*
Transient Cerebral Ischemia	51	3.9	1.9	2.7	3.9	4.0	3.0	5.9	6.2	3.4
Stroke	100	18.0	23.3	6.2	24.0	31.2	7.8	30.0	35.9	7.0
Hip Fracture	64	4.7	8.3	4.9	10.9	14.5	6.4	17.2	18.4	5.0
Sepsis	40	22.5	40.8	*	37.5	48.3	*	40.0	55.1	*
PROCEDURES:										
Angioplasty	18	0.0	2.3	*	0.0	3.0	*	0.0	3.9	*
Coronary Artery Bypass Graft	54	13.0	8.8	5.7	16.7	11.6	7.0	20.4	13.3	8.8
Initial Pacemaker Insertion	17	5.9	7.8	*	11.8	12.7	*	17.6	16.2	*
Carotid Endarterectomy	13	7.7	1.5	*	7.7	2.7	*	7.7	3.8	*
Hip Replacement/Reconstruction	58	0.0	3.5	3.1	1.7	6.4	4.3	5.2	8.4	4.9
Open Reduction of Hip Fracture	38	5.3	6.4	*	13.2	11.9	*	15.8	15.5	*
Prostatectomy	118	1.7	1.5	1.2	3.4	3.5	1.7	4.2	5.7	2.4
Cholecystectomy	54	5.6	4.4	3.2	9.3	7.5	4.1	9.3	9.4	4.6
Hysterectomy	14	0.0	1.3	*	0.0	2.8	*	7.1	4.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NEWPORT HOSPITAL

Friendship St
Newport, RI 02840

Medicare Provider Number: 410006

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,428	6.6	10.4	1.1	11.9	15.7	1.0	15.6	19.9	1.1
CONDITIONS:										
Acute Myocardial Infarction	46	28.3	28.8	*	32.6	32.4	*	34.8	36.1	*
Congestive Heart Failure	87	4.6	16.2	5.5	11.5	24.9	6.5	18.4	32.0	6.9
Pneumonia/Influenza	56	5.4	18.6	6.9	10.7	24.9	7.8	12.5	29.8	8.6
Chronic Obstructive Pulmonary Disease	19	0.0	10.2	*	5.3	16.7	*	10.5	22.1	*
Transient Cerebral Ischemia	17	0.0	2.5	*	0.0	6.0	*	0.0	9.7	*
Stroke	56	30.4	22.4	10.7	33.9	30.1	9.1	39.3	34.8	8.7
Hip Fracture	36	2.8	7.5	*	5.6	13.4	*	13.9	17.3	*
Sepsis	35	5.7	29.3	*	22.9	36.7	*	25.7	43.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	19	5.3	4.0	*	10.5	7.7	*	10.5	11.0	*
Carotid Endarterectomy	7	0.0	1.6	*	0.0	2.9	*	0.0	4.3	*
Hip Replacement/Reconstruction	26	3.8	7.4	*	11.5	13.0	*	15.4	16.9	*
Open Reduction of Hip Fracture	20	0.0	6.3	*	0.0	11.6	*	10.0	15.0	*
Prostatectomy	38	0.0	2.9	*	2.6	5.6	*	5.3	8.4	*
Cholecystectomy	24	12.5	1.9	*	16.7	3.4	*	16.7	4.7	*
Hysterectomy	7	0.0	0.5	*	0.0	1.2	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	161
Occupancy Rate	85
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	72
Percent of Physicians Board Certified Specialists	74
Medical Residents/Interns	0
Registered Nurses	157
Licensed Practical Nurses	29

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NEWPORT HOSPITAL

Medicare Provider Number: 410006

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,404	8.5	10.9	1.1	12.5	16.0	1.5	16.6	19.9	1.5
CONDITIONS:										
Acute Myocardial Infarction	55	29.1	32.4	6.7	30.9	36.1	7.1	32.7	40.1	8.1
Congestive Heart Failure	78	11.5	17.1	7.0	20.5	26.2	6.8	32.1	33.6	6.1
Pneumonia/Influenza	55	1.8	19.8	7.9	10.9	26.2	8.0	16.4	30.9	8.1
Chronic Obstructive Pulmonary Disease	7	14.3	11.8	*	14.3	19.2	*	14.3	24.9	*
Transient Cerebral Ischemia	21	4.8	2.2	*	4.8	4.8	*	4.8	7.5	*
Stroke	53	15.1	18.2	7.9	15.1	24.9	10.1	18.9	29.2	11.8
Hip Fracture	50	8.0	7.9	*	8.0	14.2	*	18.0	18.1	*
Sepsis	27	14.8	30.4	*	29.6	38.4	*	37.0	44.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	3.4	*	9.1	5.9	*	27.3	8.3	*
Carotid Endarterectomy	2	0.0	1.6	*	0.0	3.1	*	0.0	4.6	*
Hip Replacement/Reconstruction	29	6.9	4.7	*	6.9	9.0	*	10.3	11.8	*
Open Reduction of Hip Fracture	31	6.5	7.2	*	6.5	13.3	*	16.1	17.2	*
Prostatectomy	45	2.2	1.9	*	4.4	4.0	*	6.7	6.2	*
Cholecystectomy	24	4.2	3.9	*	16.7	7.2	*	20.8	9.4	*
Hysterectomy	9	11.1	2.8	*	11.1	6.1	*	11.1	8.8	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,514	9.5	10.7	1.2	13.8	15.8	1.5	18.0	19.7	1.5
CONDITIONS:										
Acute Myocardial Infarction	54	31.5	29.9	6.4	35.2	33.5	7.0	38.9	36.8	8.8
Congestive Heart Failure	93	12.9	17.2	7.2	21.5	25.6	6.5	29.0	32.7	5.5
Pneumonia/Influenza	57	12.3	16.7	9.9	15.8	22.7	10.0	21.1	27.4	10.5
Chronic Obstructive Pulmonary Disease	23	13.0	14.7	*	17.4	22.7	*	21.7	28.3	*
Transient Cerebral Ischemia	21	0.0	2.4	*	0.0	5.2	*	0.0	8.4	*
Stroke	74	20.3	24.5	7.7	24.3	32.2	10.6	29.7	36.9	11.4
Hip Fracture	52	3.8	7.8	5.0	7.7	13.8	7.2	11.5	17.6	7.1
Sepsis	32	18.8	26.4	*	25.0	34.0	*	31.3	40.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	4.3	*	11.1	8.6	*	11.1	12.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	25	4.0	4.4	*	8.0	8.2	*	8.0	10.9	*
Open Reduction of Hip Fracture	34	2.9	7.0	*	5.9	13.1	*	11.8	17.0	*
Prostatectomy	43	2.3	1.1	*	7.0	2.8	*	9.3	4.9	*
Cholecystectomy	27	0.0	6.1	*	0.0	8.4	*	0.0	9.8	*
Hysterectomy	8	12.5	0.3	*	12.5	0.4	*	12.5	0.6	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

NOTRE DAME HOSPITAL

1000 Broad St
Central Falls, RI 02863

Medicare Provider Number: 410016

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	306	4.9	6.6	1.7	10.1	10.7	2.3	11.8	14.0	2.7
CONDITIONS:										
Acute Myocardial Infarction	11	18.2	24.8	*	18.2	29.6	*	18.2	33.1	*
Congestive Heart Failure	22	4.5	12.9	*	18.2	20.0	*	31.8	26.2	*
Pneumonia/Influenza	8	0.0	12.5	*	0.0	17.2	*	0.0	21.1	*
Chronic Obstructive Pulmonary Disease	3	0.0	10.1	*	33.3	17.0	*	33.3	22.9	*
Transient Cerebral Ischemia	5	0.0	2.1	*	0.0	4.7	*	0.0	7.7	*
Stroke	7	0.0	22.5	*	28.6	33.3	*	28.6	39.3	*
Hip Fracture	1	0.0	4.2	*	0.0	7.8	*	100.0	10.5	*
Sepsis	1	0.0	7.2	*	100.0	11.2	*	100.0	14.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	2	0.0	1.1	*	0.0	2.4	*	0.0	4.0	*
Cholecystectomy	4	0.0	0.8	*	0.0	1.2	*	0.0	1.5	*
Hysterectomy	5	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1989

Total Beds	45
Ownership/Control	Private, Non-Profit

STAFFING:

Medical Residents/Interns	0
Registered Nurses	23
Licensed Practical Nurses	10

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice	No
Intensive Care Unit	Yes
Organ Transplant	No
Rehabilitation	No
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

NOTRE DAME HOSPITAL

Medicare Provider Number: 410016

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	456	3.7	6.8	2.1	8.3	10.8	2.2	11.2	14.1	2.5
CONDITIONS:										
Acute Myocardial Infarction	11	36.4	24.6	*	36.4	28.8	*	45.5	32.4	*
Congestive Heart Failure	21	9.5	18.3	*	19.0	27.5	*	28.6	34.4	*
Pneumonia/Influenza	21	0.0	18.4	*	9.5	24.8	*	9.5	29.7	*
Chronic Obstructive Pulmonary Disease	14	0.0	9.5	*	0.0	15.7	*	0.0	21.1	*
Transient Cerebral Ischemia	16	0.0	1.8	*	6.3	3.8	*	6.3	6.0	*
Stroke	9	22.2	19.5	*	44.4	26.4	*	44.4	30.9	*
Hip Fracture	0									
Sepsis	5	20.0	12.4	*	20.0	18.1	*	20.0	22.6	*
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.8	*	0.0	4.2	*	0.0	6.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	11	0.0	1.4	*	0.0	3.5	*	9.1	5.6	*
Cholecystectomy	9	0.0	1.6	*	0.0	2.6	*	0.0	3.4	*
Hysterectomy	5	0.0	0.4	*	0.0	0.9	*	0.0	1.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	408	5.1	7.4	1.8	8.6	11.6	2.4	11.0	15.1	2.8
CONDITIONS:										
Acute Myocardial Infarction	15	13.3	20.7	*	13.3	24.3	*	13.3	27.8	*
Congestive Heart Failure	36	13.9	16.5	*	22.2	24.9	*	22.2	31.8	*
Pneumonia/Influenza	15	6.7	17.5	*	13.3	23.5	*	13.3	28.7	*
Chronic Obstructive Pulmonary Disease	12	8.3	9.2	*	8.3	15.2	*	8.3	19.7	*
Transient Cerebral Ischemia	6	0.0	2.1	*	0.0	4.7	*	0.0	7.6	*
Stroke	9	0.0	14.9	*	0.0	22.5	*	11.1	27.1	*
Hip Fracture	0									
Sepsis	3	33.3	40.6	*	66.7	52.0	*	66.7	59.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	5.5	*	33.3	11.1	*	33.3	16.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	3	0.0	0.7	*	0.0	1.7	*	0.0	2.8	*
Cholecystectomy	18	0.0	1.4	*	0.0	2.7	*	0.0	3.5	*
Hysterectomy	3	0.0	1.0	*	0.0	2.4	*	0.0	3.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

RHODE ISLAND HOSPITAL

593 Eddy St
Providence, RI 02902

Medicare Provider Number: 410007

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,703	9.4	9.8	0.5	14.5	14.7	0.7	18.0	18.6	0.8
CONDITIONS:										
Acute Myocardial Infarction	241	27.0	24.1	5.3	32.0	27.8	5.4	33.6	31.5	4.3
Congestive Heart Failure	294	13.6	15.3	2.7	24.1	23.4	2.8	32.0	30.1	3.3
Pneumonia/Influenza	168	19.0	17.2	3.9	24.4	23.2	3.7	29.2	28.0	3.7
Chronic Obstructive Pulmonary Disease	72	9.7	12.0	6.2	11.1	18.3	8.3	18.1	23.5	9.1
Transient Cerebral Ischemia	76	2.6	2.0	2.9	2.6	4.4	4.1	3.9	7.2	5.5
Stroke	208	19.7	22.3	3.9	27.4	28.7	4.5	30.3	33.1	4.5
Hip Fracture	130	4.6	7.1	2.9	6.9	12.4	4.3	10.0	15.9	5.0
Sepsis	91	24.2	27.9	7.5	34.1	34.8	8.7	37.4	40.6	7.0
PROCEDURES:										
Angioplasty	85	2.4	2.3	1.7	3.5	3.1	2.0	3.5	4.0	2.1
Coronary Artery Bypass Graft	134	2.2	5.5	3.2	5.2	8.1	3.2	6.7	9.7	3.9
Initial Pacemaker Insertion	31	3.2	4.3	*	3.2	6.7	*	3.2	8.8	*
Carotid Endarterectomy	18	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
Hip Replacement/Reconstruction	84	0.0	4.5	4.7	1.2	7.5	6.2	3.6	9.5	5.6
Open Reduction of Hip Fracture	76	3.9	6.0	3.5	5.3	10.9	6.3	9.2	14.3	7.0
Prostatectomy	180	1.7	1.4	1.1	3.9	2.8	2.5	3.9	4.4	2.8
Cholecystectomy	96	3.1	3.4	2.2	5.2	5.9	2.7	6.2	7.7	3.0
Hysterectomy	15	0.0	1.1	*	6.7	2.3	*	6.7	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	695
Occupancy Rate	85
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	771
Percent of Physicians Board Certified Specialists	80
Medical Residents/Interns	320
Registered Nurses	723
Licensed Practical Nurses	75

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	Yes
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

RHODE ISLAND HOSPITAL

Medicare Provider Number: 410007

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,995	8.8	10.0	0.6	14.1	15.1	0.6	18.2	19.0	0.6
CONDITIONS:										
Acute Myocardial Infarction	240	23.3	24.7	2.9	27.9	28.4	3.0	32.9	32.1	3.1
Congestive Heart Failure	262	14.1	16.5	3.1	21.8	24.8	3.6	30.2	31.6	3.1
Pneumonia/Influenza	207	15.5	19.1	3.2	24.6	25.5	3.4	29.5	30.5	3.3
Chronic Obstructive Pulmonary Disease	93	7.5	10.4	3.8	15.1	17.5	4.1	21.5	23.5	4.6
Transient Cerebral Ischemia	114	0.0	1.9	2.2	1.8	4.2	2.9	4.4	6.6	3.0
Stroke	252	14.3	20.2	4.1	20.2	26.3	4.4	23.8	30.6	4.8
Hip Fracture	125	7.2	7.7	2.9	14.4	13.8	3.4	16.8	17.5	3.6
Sepsis	91	25.3	28.9	6.4	35.2	36.9	7.1	39.6	43.0	5.9
PROCEDURES:										
Angioplasty	86	2.3	1.9	1.5	3.5	2.7	1.9	3.5	3.7	2.0
Coronary Artery Bypass Graft	152	2.6	6.5	2.8	3.9	9.1	3.3	5.3	10.6	3.5
Initial Pacemaker Insertion	32	0.0	4.2	*	6.3	7.6	*	12.5	10.4	*
Carotid Endarterectomy	17	0.0	1.2	*	0.0	2.2	*	0.0	3.1	*
Hip Replacement/Reconstruction	79	0.0	3.6	3.7	5.1	6.7	4.3	6.3	8.9	5.4
Open Reduction of Hip Fracture	83	8.4	6.7	3.1	14.5	12.6	4.3	18.1	16.4	5.2
Prostatectomy	189	2.1	1.2	1.4	4.8	2.9	2.3	7.4	4.8	3.0
Cholecystectomy	126	0.8	2.7	2.1	4.8	4.8	2.0	6.3	6.4	2.6
Hysterectomy	13	0.0	1.1	*	15.4	2.5	*	15.4	3.9	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,034	8.6	9.5	0.5	14.5	14.5	0.5	18.2	18.4	0.5
CONDITIONS:										
Acute Myocardial Infarction	231	21.6	25.1	4.4	26.8	28.6	4.4	29.0	31.9	4.4
Congestive Heart Failure	290	14.5	17.2	2.9	25.5	25.8	2.7	31.0	32.8	3.3
Pneumonia/Influenza	181	24.3	19.3	3.6	33.1	26.0	4.2	39.8	31.3	4.7
Chronic Obstructive Pulmonary Disease	83	8.4	10.1	3.9	18.1	17.2	4.2	24.1	22.7	5.6
Transient Cerebral Ischemia	129	1.6	1.8	1.2	3.1	3.9	2.2	7.8	6.2	2.5
Stroke	205	18.5	21.5	5.0	24.4	27.7	5.3	27.8	31.8	6.3
Hip Fracture	170	5.3	7.7	3.6	10.6	13.9	5.4	15.3	17.8	5.2
Sepsis	92	31.5	29.8	8.5	42.4	38.8	10.3	48.9	44.8	9.7
PROCEDURES:										
Angioplasty	60	0.0	4.3	3.9	1.7	5.2	3.8	3.3	6.4	4.0
Coronary Artery Bypass Graft	142	4.9	6.4	2.9	7.7	9.1	3.8	8.5	10.6	4.4
Initial Pacemaker Insertion	25	0.0	2.2	*	4.0	4.9	*	4.0	7.6	*
Carotid Endarterectomy	17	0.0	1.4	*	0.0	2.7	*	0.0	4.0	*
Hip Replacement/Reconstruction	96	6.3	5.3	3.4	10.4	9.5	3.2	14.6	12.4	3.9
Open Reduction of Hip Fracture	96	2.1	6.7	4.4	7.3	12.6	6.1	12.5	16.5	5.7
Prostatectomy	215	0.9	1.3	0.8	2.8	3.0	1.2	4.2	5.0	2.0
Cholecystectomy	100	5.0	4.1	2.1	8.0	7.3	3.3	11.0	9.6	4.4
Hysterectomy	14	0.0	2.1	*	0.0	4.4	*	0.0	6.4	*

* The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

DEPARTMENT OF QUALITY ASSURANCE

RHODE ISLAND HOSPITAL / PROVIDENCE RHODE ISLAND / 02902

January 8, 1991

Healthcare Financing Administation
Health Standards and Quality Bureau
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, MD 21207

Attn: Mrs. Sandra Kappert

Re: Medicare Hospital Mortality Information
Rhode Island Hospital - #410007

Dear Mrs. Kappert:

We wish to acknowledge receipt of Gail Willenski's letter dated December 6, 1990 and our Summary Data Sheet showing the observed and predicted mortality rates for 1987, 1988 and 1989. Although the mortality rates for Rhode Island Hospital are within the predicted ranges established by HCFA for the 8 identified conditions and the 9 identified procedures, we would like to submit the following comments.

Rhode Island Hospital is a tertiary referral hospital, as well as a designated regional trauma center. Our role in the community is to accept for treatment, many patients whose full range of medical needs cannot be met in community hospitals throughout the state, Eastern Connecticut and Southeastern Massachusetts. We recognize that HCFA is attempting to include factors that reflect the severity of individual cases and the patient's probability of death in the mortality model; however, we continue to have concerns about the statistical imprecision associated with the use of relatively small sample sizes. We do appreciate HCFA's ongoing effort to develop a model that acknowledges the importance of case severity and appropriately takes into consideration all of the factors that influence the probability of death. It is unlikely that the public will understand the significance of such a deficiency without further explanation.

We continue to have concern about the public's interpretation of the mortality rates. HCFA is focusing on mortality in its current quality initiative, despite the lack of objective scientific evidence to support a direct relationship between mortality rates and quality of care. Mortality rates constitute only one aspect of potential quality indicators.

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Other major components are morbidity rates, credentialing requirements of the medical staff, availability of multiple services and specialties, the number of procedures performed, availability of state-of-the-art diagnostic tools and level of patient satisfaction. In fact, the Joint Commission on Accreditation of Health Care Organizations in its agenda for change does not limit its review to mortality, but emphasize the importance of morbidity reviews, credentialing, clinical indicators, adequacy of service, staffing and other important factors in the assessment of quality.

Sincerely,

Roland C. Loranger, Director
QA/Risk Management

RCL/ds

ROGER WILLIAMS GENERAL HOSPITAL

825 Chalkstone Ave
Providence, RI 02908

Medicare Provider Number: 410004

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,219	10.4	10.9	1.1	15.4	16.6	1.0	20.1	21.0	1.0
CONDITIONS:										
Acute Myocardial Infarction	95	26.3	24.8	6.2	30.5	29.3	5.3	32.6	33.1	4.9
Congestive Heart Failure	115	11.3	16.6	6.7	19.1	25.6	7.9	26.1	32.7	8.3
Pneumonia/Influenza	87	14.9	18.4	5.2	26.4	25.4	4.8	32.2	30.4	5.6
Chronic Obstructive Pulmonary Disease	18	5.6	8.7	*	11.1	16.4	*	11.1	23.0	*
Transient Cerebral Ischemia	37	0.0	2.1	*	5.4	4.8	*	8.1	7.8	*
Stroke	90	16.7	20.7	7.3	24.4	28.0	5.6	28.9	32.5	5.8
Hip Fracture	68	4.4	8.0	4.5	14.7	14.5	4.4	19.1	18.8	5.0
Sepsis	53	39.6	28.2	8.7	41.5	36.6	7.9	52.8	42.4	8.8
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	5.3	*	22.2	10.5	*	22.2	15.2	*
Carotid Endarterectomy	2	0.0	1.0	*	0.0	1.7	*	50.0	2.4	*
Hip Replacement/Reconstruction	32	3.1	3.8	*	9.4	7.1	*	9.4	9.5	*
Open Reduction of Hip Fracture	43	2.3	7.4	*	11.6	14.1	*	18.6	18.7	*
Prostatectomy	52	3.8	1.3	2.7	3.8	3.0	3.2	5.8	5.0	3.5
Cholecystectomy	39	0.0	3.9	*	2.6	7.1	*	7.7	9.1	*
Hysterectomy	11	0.0	0.8	*	0.0	1.7	*	0.0	2.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	184
Occupancy Rate	90
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	216
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	61
Registered Nurses	187
Licensed Practical Nurses	31

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ROGER WILLIAMS GENERAL HOSPITAL

Medicare Provider Number: 410004

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,258	10.5	11.4	1.0	16.7	16.7	1.0	21.1	20.8	0.9
CONDITIONS:										
Acute Myocardial Infarction	109	17.4	27.0	6.9	22.0	30.9	7.1	25.7	34.7	6.9
Congestive Heart Failure	105	15.2	17.5	4.9	26.7	26.7	4.8	32.4	33.9	5.7
Pneumonia/Influenza	130	20.8	18.8	5.6	28.5	25.2	5.5	33.1	30.1	5.8
Chronic Obstructive Pulmonary Disease	21	4.8	8.6	*	4.8	14.3	*	4.8	19.2	*
Transient Cerebral Ischemia	21	0.0	2.3	*	0.0	5.2	*	0.0	8.2	*
Stroke	92	27.2	21.6	6.3	35.9	28.6	6.4	39.1	33.2	6.7
Hip Fracture	73	8.2	6.7	3.2	12.3	12.1	3.9	13.7	15.5	4.5
Sepsis	71	31.0	30.0	5.5	47.9	37.9	7.1	50.7	43.9	7.3
PROCEDURES:										
Angioplasty	1	0.0	11.1	*	0.0	12.8	*	0.0	14.7	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	2.7	*	0.0	4.9	*	0.0	7.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	46	6.5	3.9	*	10.9	7.4	*	10.9	9.7	*
Open Reduction of Hip Fracture	41	7.3	6.5	*	12.2	12.2	*	14.6	16.0	*
Prostatectomy	45	0.0	2.3	*	0.0	4.7	*	2.2	6.9	*
Cholecystectomy	32	6.3	5.5	*	9.4	9.8	*	9.4	12.9	*
Hysterectomy	14	0.0	0.7	*	0.0	1.6	*	0.0	2.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,490	10.7	10.3	1.0	16.3	15.5	1.4	20.6	19.5	1.5
CONDITIONS:										
Acute Myocardial Infarction	117	30.8	26.8	6.9	35.0	30.5	7.9	38.5	33.9	9.1
Congestive Heart Failure	108	13.9	18.9	6.3	20.4	28.2	7.4	32.4	35.5	5.6
Pneumonia/Influenza	111	26.1	20.4	7.1	34.2	27.4	7.1	38.7	32.7	7.7
Chronic Obstructive Pulmonary Disease	25	16.0	15.3	*	20.0	23.1	*	20.0	28.6	*
Transient Cerebral Ischemia	22	0.0	1.7	*	0.0	3.6	*	0.0	5.6	*
Stroke	97	20.6	20.6	4.1	26.8	27.6	5.1	30.9	32.0	4.8
Hip Fracture	71	5.6	6.9	3.2	11.3	12.5	4.7	14.1	16.2	5.4
Sepsis	60	33.3	27.9	7.5	36.7	37.1	8.4	43.3	43.9	7.0
PROCEDURES:										
Angioplasty	6	16.7	14.7	*	16.7	15.9	*	16.7	17.4	*
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	0.0	5.3	*	11.1	9.2	*	11.1	12.5	*
Carotid Endarterectomy	2	0.0	1.5	*	0.0	3.2	*	0.0	4.6	*
Hip Replacement/Reconstruction	42	2.4	4.4	*	4.8	8.3	*	7.1	10.8	*
Open Reduction of Hip Fracture	38	5.3	6.0	*	13.2	11.4	*	15.8	15.0	*
Prostatectomy	74	0.0	0.9	1.7	2.7	2.3	1.8	4.1	3.9	2.3
Cholecystectomy	43	9.3	4.6	*	18.6	8.2	*	20.9	11.1	*
Hysterectomy	8	12.5	1.5	*	12.5	2.9	*	12.5	4.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SOUTH COUNTY HOSPITAL INC

95 Kenyon Ave
Wakefield, RI 02879

Medicare Provider Number: 410008

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	1,157	9.3	9.1	0.9	13.8	14.0	1.0	17.7	17.9	1.2
CONDITIONS:										
Acute Myocardial Infarction	40	22.5	27.6	*	22.5	30.5	*	22.5	33.9	*
Congestive Heart Failure	62	24.2	16.6	9.1	30.6	25.6	10.9	40.3	33.1	12.6
Pneumonia/Influenza	64	10.9	16.9	6.2	21.9	23.4	5.5	28.1	28.4	5.7
Chronic Obstructive Pulmonary Disease	34	8.8	8.9	*	8.8	14.9	*	14.7	20.2	*
Transient Cerebral Ischemia	20	0.0	1.7	*	5.0	3.8	*	10.0	6.2	*
Stroke	48	18.8	18.9	*	22.9	25.0	*	22.9	29.2	*
Hip Fracture	32	0.0	6.4	*	9.4	11.5	*	21.9	14.9	*
Sepsis	12	25.0	24.0	*	25.0	30.0	*	25.0	35.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.8	*	0.0	5.1	*	0.0	7.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	0.0	4.6	*	7.1	8.5	*	21.4	11.2	*
Open Reduction of Hip Fracture	23	0.0	5.2	*	8.7	9.8	*	21.7	13.0	*
Prostatectomy	37	0.0	0.6	*	2.7	1.6	*	5.4	2.8	*
Cholecystectomy	18	5.6	3.1	*	11.1	5.3	*	11.1	6.6	*
Hysterectomy	14	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	100
Occupancy Rate	73
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	84
Percent of Physicians Board Certified Specialists	74
Medical Residents/Interns	0
Registered Nurses	148
Licensed Practical Nurses	23

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SOUTH COUNTY HOSPITAL INC

Medicare Provider Number: 410008

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,197	9.2	8.2	1.2	14.0	12.9	1.6	18.2	16.6	1.9
CONDITIONS:										
Acute Myocardial Infarction	36	30.6	28.8	*	33.3	32.8	*	33.3	36.7	*
Congestive Heart Failure	60	13.3	14.1	4.8	28.3	21.5	6.3	38.3	27.9	9.2
Pneumonia/Influenza	78	16.7	15.8	5.7	20.5	21.5	5.8	25.6	26.1	5.9
Chronic Obstructive Pulmonary Disease	42	14.3	7.3	*	16.7	13.4	*	21.4	18.8	*
Transient Cerebral Ischemia	28	0.0	1.7	*	3.6	3.8	*	10.7	6.1	*
Stroke	46	26.1	19.8	*	26.1	27.0	*	28.3	31.6	*
Hip Fracture	30	3.3	6.1	*	6.7	11.6	*	10.0	15.3	*
Sepsis	13	30.8	25.5	*	46.2	34.5	*	53.8	40.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	0.0	3.3	*	0.0	6.7	*	9.1	9.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	0.0	1.3	*	0.0	2.7	*	0.0	3.7	*
Open Reduction of Hip Fracture	23	4.3	5.9	*	8.7	11.6	*	13.0	15.5	*
Prostatectomy	45	0.0	0.8	*	0.0	2.0	*	8.9	3.4	*
Cholecystectomy	19	10.5	3.8	*	15.8	6.4	*	15.8	7.9	*
Hysterectomy	8	0.0	4.1	*	0.0	8.2	*	0.0	10.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,061	9.1	9.0	0.9	15.4	13.9	1.4	19.0	17.8	1.6
CONDITIONS:										
Acute Myocardial Infarction	35	31.4	26.8	*	37.1	30.2	*	40.0	33.6	*
Congestive Heart Failure	49	20.4	16.5	*	28.6	24.5	*	32.7	31.2	*
Pneumonia/Influenza	50	10.0	17.2	*	26.0	23.3	*	34.0	28.2	*
Chronic Obstructive Pulmonary Disease	41	9.8	9.4	*	12.2	16.0	*	17.1	21.3	*
Transient Cerebral Ischemia	33	0.0	1.8	*	3.0	4.1	*	3.0	6.6	*
Stroke	49	24.5	21.0	*	32.7	28.6	*	32.7	33.5	*
Hip Fracture	23	4.3	5.2	*	8.7	9.2	*	8.7	12.0	*
Sepsis	8	50.0	36.4	*	62.5	46.5	*	87.5	53.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	11	9.1	4.6	*	27.3	8.9	*	27.3	12.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	2.6	*	0.0	5.5	*	0.0	7.9	*
Open Reduction of Hip Fracture	13	0.0	5.7	*	7.7	10.5	*	7.7	13.7	*
Prostatectomy	33	3.0	0.5	*	6.1	1.3	*	6.1	2.3	*
Cholecystectomy	16	0.0	1.8	*	0.0	3.2	*	0.0	4.4	*
Hysterectomy	6	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ST JOSEPHS HOSPITAL

200 High Service Ave
North Providence, RI 02904

Medicare Provider Number: 410005

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,082	9.0	9.8	0.7	13.6	14.8	0.7	17.4	18.7	0.8
CONDITIONS:										
Acute Myocardial Infarction	178	23.6	27.1	4.8	27.0	30.2	5.3	28.7	33.7	6.1
Congestive Heart Failure	233	12.9	16.5	3.4	21.5	25.2	3.8	26.6	32.2	4.9
Pneumonia/Influenza	135	20.7	16.5	4.6	28.9	22.3	6.1	31.9	26.9	6.4
Chronic Obstructive Pulmonary Disease	56	3.6	9.0	6.7	7.1	15.4	8.3	14.3	20.8	7.7
Transient Cerebral Ischemia	59	1.7	2.0	2.1	1.7	4.4	3.5	3.4	7.0	4.5
Stroke	163	15.3	20.6	5.3	22.7	27.9	5.2	30.1	32.4	4.4
Hip Fracture	103	3.9	7.5	4.6	9.7	13.0	5.9	11.7	16.5	4.8
Sepsis	58	20.7	27.6	10.4	32.8	36.5	7.4	37.9	42.4	7.9
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	23	8.7	3.7	*	8.7	7.6	*	8.7	11.3	*
Carotid Endarterectomy	14	7.1	1.1	*	7.1	1.9	*	7.1	2.7	*
Hip Replacement/Reconstruction	49	2.0	3.8	*	2.0	6.7	*	4.1	8.7	*
Open Reduction of Hip Fracture	33	0.0	6.7	*	12.1	12.0	*	15.2	15.3	*
Prostatectomy	136	0.0	1.2	1.6	1.5	2.9	2.3	4.4	4.7	2.3
Cholecystectomy	99	5.1	3.2	2.4	8.1	5.7	3.0	9.1	7.3	3.0
Hysterectomy	33	0.0	0.9	*	3.0	2.1	*	3.0	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: Health Care Financing Administration (OSCAR) - 1990

Total Beds	494
Ownership/Control	Church

STAFFING:

Medical Residents/Interns	0
Registered Nurses	362
Licensed Practical Nurses	172

SPECIALTY SERVICES:

Burn Unit	No
Coronary Care Unit	Yes
Hospice	No
Intensive Care Unit	Yes
Organ Transplant	No
Rehabilitation	Yes
Shock Trauma	No

**** Not used in calculating hospital mortality rates.**

ST JOSEPHS HOSPITAL

Medicare Provider Number: 410005

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,267	8.4	9.5	0.6	13.1	14.3	0.8	16.7	18.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	186	18.3	25.6	5.4	20.4	29.0	5.7	24.7	32.5	5.5
Congestive Heart Failure	256	16.0	18.0	3.2	21.9	27.3	4.2	27.7	34.7	5.0
Pneumonia/Influenza	163	14.7	19.4	4.5	23.9	25.9	3.7	28.2	31.0	4.5
Chronic Obstructive Pulmonary Disease	108	10.2	10.2	3.0	15.7	16.6	4.1	21.3	22.1	5.5
Transient Cerebral Ischemia	71	0.0	2.0	2.3	5.6	4.2	3.0	7.0	6.6	3.1
Stroke	150	21.3	22.3	3.6	29.3	29.4	3.7	30.0	34.0	4.6
Hip Fracture	105	2.9	6.4	4.3	9.5	11.8	6.2	11.4	15.3	5.4
Sepsis	52	36.5	28.7	9.1	40.4	36.6	7.4	44.2	42.9	6.9
PROCEDURE:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	7.9	*	25.0	10.8	*	50.0	13.3	*
Carotid Endarterectomy	16	0.0	1.3	*	12.5	2.5	*	12.5	3.6	*
Hip Replacement/Reconstruction	59	1.7	2.6	2.9	1.7	5.0	4.8	3.4	6.6	5.5
Open Reduction of Hip Fracture	34	0.0	5.5	*	5.9	10.8	*	8.8	14.4	*
Prostatectomy	156	0.6	1.2	0.9	1.3	2.7	1.6	1.3	4.3	2.2
Cholecystectomy	103	0.0	2.5	2.6	3.9	4.7	3.0	4.9	6.3	2.7
Hysterectomy	35	0.0	0.5	*	0.0	1.1	*	2.9	1.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,026	9.1	9.2	0.7	13.8	14.1	0.6	17.9	17.9	0.6
CONDITIONS:										
Acute Myocardial Infarction	168	23.8	26.9	4.6	28.6	30.7	4.0	33.9	34.4	3.8
Congestive Heart Failure	220	18.6	17.9	2.7	27.3	26.8	3.0	34.5	34.1	3.3
Pneumonia/Influenza	163	23.9	20.0	5.4	30.7	26.5	6.8	35.6	31.6	6.6
Chronic Obstructive Pulmonary Disease	81	11.1	11.3	3.9	18.5	18.1	4.6	22.2	23.3	4.8
Transient Cerebral Ischemia	67	0.0	1.9	2.3	3.0	4.0	2.8	4.5	6.3	4.1
Stroke	145	20.7	22.4	4.1	29.0	29.7	3.9	31.7	34.2	4.6
Hip Fracture	96	10.4	6.7	5.4	17.7	12.4	5.8	18.8	16.2	5.4
Sepsis	43	27.9	29.2	*	37.2	36.9	*	44.2	42.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	36	5.6	3.7	*	13.9	7.3	*	13.9	10.4	*
Carotid Endarterectomy	15	0.0	1.4	*	0.0	2.8	*	0.0	4.0	*
Hip Replacement/Reconstruction	64	3.1	3.1	3.1	7.8	5.9	3.6	7.8	7.9	4.0
Open Reduction of Hip Fracture	33	12.1	5.7	*	15.2	10.7	*	15.2	14.0	*
Prostatectomy	157	0.6	0.8	1.0	1.3	2.1	1.5	3.2	3.4	1.5
Cholecystectomy	106	1.9	2.6	1.8	2.8	4.5	2.8	2.8	5.9	3.4
Hysterectomy	31	3.2	0.7	*	6.5	1.4	*	6.5	2.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WESTERLY HOSPITAL

Wells St
Westerly, RI 02891

Medicare Provider Number: 410013

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,248	10.4	10.1	0.9	15.2	15.4	1.0	19.5	19.6	1.2
CONDITIONS:										
Acute Myocardial Infarction	47	25.5	28.4	*	29.8	32.4	*	38.3	35.9	*
Congestive Heart Failure	92	16.3	17.4	4.9	27.2	27.1	5.6	38.0	34.8	5.7
Pneumonia/Influenza	66	9.1	15.1	6.7	16.7	20.9	6.9	24.2	25.4	5.6
Chronic Obstructive Pulmonary Disease	8	25.0	5.9	*	25.0	11.3	*	25.0	16.5	*
Transient Cerebral Ischemia	7	0.0	2.0	*	0.0	4.4	*	14.3	7.1	*
Stroke	55	18.2	20.2	6.4	23.6	27.4	8.8	29.1	32.1	8.0
Hip Fracture	30	10.0	7.1	*	13.3	13.0	*	13.3	17.1	*
Sepsis	19	10.5	24.2	*	10.5	30.9	*	15.8	36.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	22	4.5	5.3	*	9.1	9.0	*	18.2	12.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	16	6.3	6.0	*	12.5	11.0	*	12.5	14.4	*
Open Reduction of Hip Fracture	13	7.7	7.5	*	7.7	14.2	*	7.7	18.9	*
Prostatectomy	22	0.0	0.4	*	0.0	1.0	*	0.0	1.8	*
Cholecystectomy	19	5.3	3.3	*	10.5	5.6	*	10.5	7.1	*
Hysterectomy	5	0.0	0.5	*	0.0	1.1	*	0.0	1.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	141
Occupancy Rate	53
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	61
Percent of Physicians Board Certified Specialists	80
Medical Residents/Interns	0
Registered Nurses	63
Licensed Practical Nurses	19

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WESTERLY HOSPITAL

Medicare Provider Number: 410013

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,214	9.2	10.1	1.5	14.6	15.4	1.9	18.6	19.4	2.1
CONDITIONS:										
Acute Myocardial Infarction	41	17.1	27.0	*	19.5	30.6	*	24.4	34.4	*
Congestive Heart Failure	92	15.2	16.1	4.1	29.3	25.0	6.1	33.7	32.3	6.5
Pneumonia/Influenza	64	7.8	17.6	6.8	14.1	24.0	7.8	18.8	29.0	7.6
Chronic Obstructive Pulmonary Disease	11	9.1	7.2	*	9.1	12.3	*	9.1	16.7	*
Transient Cerebral Ischemia	17	0.0	1.7	*	0.0	3.9	*	0.0	6.3	*
Stroke	53	24.5	21.9	7.8	37.7	28.9	10.7	37.7	33.6	8.8
Hip Fracture	32	9.4	8.0	*	15.6	14.6	*	15.6	19.0	*
Sepsis	21	19.0	27.7	*	19.0	35.3	*	33.3	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	8	0.0	14.4	*	0.0	20.8	*	12.5	24.5	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	0.0	7.5	*	7.7	15.7	*	15.4	21.7	*
Open Reduction of Hip Fracture	14	14.3	7.0	*	14.3	12.8	*	14.3	16.3	*
Prostatectomy	35	0.0	0.9	*	2.9	2.2	*	5.7	3.7	*
Cholecystectomy	30	3.3	3.6	*	6.7	6.3	*	6.7	7.8	*
Hysterectomy	9	0.0	0.5	*	11.1	1.1	*	11.1	1.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,325	9.7	9.7	0.9	14.9	14.8	1.1	18.7	18.7	1.2
CONDITIONS:										
Acute Myocardial Infarction	39	23.1	31.4	*	25.6	35.1	*	28.2	38.7	*
Congestive Heart Failure	112	16.1	16.8	4.7	23.2	25.6	5.1	33.0	32.7	4.5
Pneumonia/Influenza	57	17.5	15.5	5.9	21.1	21.1	5.8	26.3	25.7	6.7
Chronic Obstructive Pulmonary Disease	20	20.0	7.9	*	20.0	13.9	*	30.0	19.0	*
Transient Cerebral Ischemia	32	0.0	2.5	*	6.3	5.4	*	6.3	8.6	*
Stroke	47	17.0	18.5	*	25.5	25.4	*	25.5	29.7	*
Hip Fracture	25	8.0	6.4	*	8.0	11.5	*	8.0	15.1	*
Sepsis	10	60.0	30.7	*	80.0	39.2	*	80.0	46.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	13	7.7	3.8	*	7.7	7.6	*	7.7	10.9	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	10	10.0	12.8	*	10.0	18.9	*	10.0	22.7	*
Open Reduction of Hip Fracture	14	7.1	4.7	*	7.1	9.2	*	7.1	12.4	*
Prostatectomy	30	0.0	0.6	*	0.0	1.3	*	3.3	2.1	*
Cholecystectomy	24	0.0	2.8	*	0.0	5.0	*	0.0	6.7	*
Hysterectomy	6	16.7	0.2	*	16.7	0.4	*	16.7	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

WOMEN AND INFANTS HOSPITAL

101 Dudley Street
Providence, RI 02905

Medicare Provider Number: 410010

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	129	0.0	0.9	1.6	1.6	1.7	1.5	2.3	2.4	1.7
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	1	0.0	20.7	*	0.0	30.0	*	0.0	36.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	64	0.0	0.4	1.7	1.6	0.8	1.7	1.6	1.2	1.8

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	178
Occupancy Rate	92
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	235
Percent of Physicians Board Certified Specialists	80
Medical Residents/Interns	16
Registered Nurses	277
Licensed Practical Nurses	23

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

WOMEN AND INFANTS HOSPITAL

Medicare Provider Number: 410010

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	151	2.0	1.7	1.1	3.3	3.4	1.6	4.0	4.8	2.1
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	69	1.4	0.6	1.3	1.4	1.1	1.4	1.4	1.6	1.7

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	154	0.0	0.7	0.9	0.6	1.4	1.2	1.3	2.1	1.5
CONDITIONS:										
Acute Myocardial Infarction	0									
Congestive Heart Failure	0									
Pneumonia/Influenza	0									
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	0									
Stroke	0									
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	73	0.0	0.3	0.7	0.0	0.5	1.4	1.4	0.8	1.4

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Vermont

BRATTLEBORO MEMORIAL HOSPITAL

9 Belmont Ave
Brattleboro, VT 05301

Medicare Provider Number: 470011

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	549	10.2	9.8	1.3	14.8	14.5	1.6	18.9	18.1	2.1
CONDITIONS:										
Acute Myocardial Infarction	27	40.7	31.2	*	40.7	34.0	*	40.7	37.1	*
Congestive Heart Failure	18	11.1	15.3	*	16.7	23.1	*	16.7	29.5	*
Pneumonia/Influenza	31	16.1	16.5	*	16.1	22.6	*	22.6	27.3	*
Chronic Obstructive Pulmonary Disease	2	0.0	15.7	*	50.0	20.7	*	50.0	25.0	*
Transient Cerebral Ischemia	8	0.0	1.9	*	0.0	4.2	*	0.0	6.7	*
Stroke	17	29.4	28.9	*	41.2	36.4	*	47.1	41.4	*
Hip Fracture	29	3.4	5.3	*	10.3	9.7	*	17.2	12.7	*
Sepsis	6	16.7	22.7	*	33.3	26.5	*	33.3	30.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	9	11.1	4.7	*	11.1	8.3	*	11.1	11.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	15	6.7	4.3	*	13.3	8.3	*	20.0	11.1	*
Open Reduction of Hip Fracture	12	0.0	4.8	*	8.3	9.0	*	8.3	12.0	*
Prostatectomy	17	0.0	1.0	*	5.9	2.4	*	5.9	4.1	*
Cholecystectomy	11	0.0	1.6	*	0.0	2.8	*	0.0	3.7	*
Hysterectomy	8	0.0	1.3	*	0.0	2.9	*	0.0	4.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	84
Occupancy Rate	41
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	39
Percent of Physicians Board Certified Specialists	97
Medical Residents/Interns	0
Registered Nurses	63
Licensed Practical Nurses	16

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

BRATTLEBORO MEMORIAL HOSPITAL

Medicare Provider Number: 470011

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	583	10.3	10.0	1.5	13.6	14.8	1.6	18.4	18.5	1.6
CONDITIONS:										
Acute Myocardial Infarction	18	27.8	33.7	*	27.8	37.0	*	27.8	40.4	*
Congestive Heart Failure	29	13.8	14.0	*	17.2	20.8	*	34.5	26.8	*
Pneumonia/Influenza	34	17.6	16.4	*	17.6	22.2	*	23.5	26.7	*
Chronic Obstructive Pulmonary Disease	9	22.2	8.4	*	33.3	12.1	*	33.3	15.8	*
Transient Cerebral Ischemia	7	0.0	1.4	*	0.0	3.1	*	0.0	4.9	*
Stroke	19	15.8	25.1	*	21.1	31.6	*	26.3	36.4	*
Hip Fracture	23	8.7	5.7	*	13.0	10.3	*	21.7	13.3	*
Sepsis	6	33.3	25.9	*	33.3	33.7	*	33.3	39.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	8.7	*	16.7	11.7	*	16.7	14.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	14.3	6.5	*	28.6	13.1	*	28.6	18.0	*
Open Reduction of Hip Fracture	14	7.1	4.6	*	7.1	8.8	*	14.3	11.8	*
Prostatectomy	30	0.0	1.5	*	0.0	3.5	*	3.3	5.7	*
Cholecystectomy	12	8.3	2.3	*	8.3	4.3	*	16.7	5.7	*
Hysterectomy	9	0.0	0.5	*	0.0	1.1	*	0.0	1.9	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	584	9.1	9.0	1.6	14.0	13.6	1.8	18.0	17.2	1.9
CONDITIONS:										
Acute Myocardial Infarction	17	11.8	23.6	*	11.8	26.4	*	17.6	29.5	*
Congestive Heart Failure	30	23.3	17.7	*	33.3	26.5	*	36.7	33.8	*
Pneumonia/Influenza	24	20.8	20.1	*	33.3	25.8	*	37.5	30.2	*
Chronic Obstructive Pulmonary Disease	6	0.0	10.3	*	16.7	17.0	*	16.7	22.0	*
Transient Cerebral Ischemia	8	0.0	3.0	*	12.5	6.8	*	12.5	10.7	*
Stroke	19	26.3	20.4	*	36.8	26.7	*	42.1	31.2	*
Hip Fracture	26	3.8	6.6	*	11.5	12.2	*	19.2	15.9	*
Sepsis	6	16.7	27.2	*	16.7	33.6	*	33.3	39.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	4.8	*	0.0	9.4	*	0.0	13.5	*
Carotid Endarterectomy	1	0.0	0.9	*	0.0	1.7	*	0.0	2.3	*
Hip Replacement/Reconstruction	21	9.5	5.1	*	19.0	9.9	*	19.0	13.0	*
Open Reduction of Hip Fracture	12	0.0	5.3	*	8.3	10.4	*	16.7	14.1	*
Prostatectomy	25	0.0	1.6	*	0.0	3.8	*	0.0	6.3	*
Cholecystectomy	13	15.4	2.9	*	15.4	5.0	*	15.4	6.1	*
Hysterectomy	9	0.0	1.1	*	0.0	2.1	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

CENTRAL VERMONT HOSPITAL

Box 547
Barre, VT 05641

Medicare Provider Number: 470001

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	1,383	8.2	6.3	0.9	12.5	10.2	1.2	16.0	13.4	1.3
CONDITIONS:										
Acute Myocardial Infarction	39	30.8	24.8	*	35.9	28.3	*	35.9	31.7	*
Congestive Heart Failure	69	18.8	12.6	5.3	33.3	20.4	8.5	36.2	27.0	8.2
Pneumonia/Influenza	54	18.5	13.3	5.3	24.1	19.4	6.3	27.8	23.9	6.1
Chronic Obstructive Pulmonary Disease	17	5.9	3.5	*	11.8	7.2	*	11.8	10.7	*
Transient Cerebral Ischemia	15	0.0	1.9	*	0.0	4.5	*	6.7	7.4	*
Stroke	52	13.5	17.0	6.0	23.1	23.4	6.3	26.9	27.8	6.4
Hip Fracture	32	0.0	2.8	*	6.3	5.5	*	15.6	7.6	*
Sepsis	8	0.0	25.2	*	12.5	34.7	*	25.0	41.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	24	0.0	2.4	*	12.5	4.9	*	12.5	7.2	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	22	4.5	1.4	*	4.5	2.8	*	13.6	4.1	*
Open Reduction of Hip Fracture	16	0.0	2.7	*	12.5	5.6	*	25.0	7.9	*
Prostatectomy	92	0.0	0.9	1.2	0.0	2.2	2.1	1.1	3.7	2.6
Cholecystectomy	21	0.0	2.5	*	0.0	4.9	*	0.0	6.7	*
Hysterectomy	7	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	135
Occupancy Rate	61
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	86
Percent of Physicians Board Certified Specialists	88
Medical Residents/Interns	0
Registered Nurses	135
Licensed Practical Nurses	50

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

CENTRAL VERMONT HOSPITAL

Medicare Provider Number: 470001

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,524	9.6	7.6	0.9	14.1	11.7	1.1	17.6	15.1	1.1
CONDITIONS:										
Acute Myocardial Infarction	75	17.3	25.7	6.5	21.3	28.8	6.4	26.7	32.1	6.0
Congestive Heart Failure	47	17.0	13.5	*	21.3	21.4	*	25.5	28.3	*
Pneumonia/Influenza	67	11.9	15.2	5.8	16.4	21.4	8.4	20.9	26.1	9.5
Chronic Obstructive Pulmonary Disease	33	6.1	3.0	*	6.1	5.9	*	15.2	8.6	*
Transient Cerebral Ischemia	9	0.0	2.1	*	11.1	4.7	*	11.1	7.5	*
Stroke	58	27.6	18.0	7.0	34.5	24.3	7.5	37.9	29.1	7.5
Hip Fracture	60	10.0	3.8	4.4	18.3	7.5	6.0	21.7	10.2	6.6
Sepsis	11	27.3	21.5	*	27.3	27.2	*	45.5	33.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	7	0.0	5.4	*	0.0	7.9	*	0.0	10.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	22	4.5	1.2	*	4.5	2.2	*	9.1	3.1	*
Open Reduction of Hip Fracture	48	10.4	3.4	*	18.8	6.9	*	20.8	9.6	*
Prostatectomy	86	1.2	0.8	1.0	2.3	2.0	1.6	4.7	3.4	2.2
Cholecystectomy	29	3.4	1.6	*	3.4	3.0	*	3.4	4.0	*
Hysterectomy	15	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,410	9.7	8.2	0.9	14.8	12.3	1.3	18.7	15.7	1.3
CONDITIONS:										
Acute Myocardial Infarction	52	19.2	27.1	11.7	25.0	30.5	11.9	28.8	34.1	10.9
Congestive Heart Failure	54	25.9	15.4	6.9	31.5	24.1	6.7	40.7	31.4	7.6
Pneumonia/Influenza	53	18.9	15.4	7.1	30.2	21.0	10.8	32.1	25.5	9.9
Chronic Obstructive Pulmonary Disease	29	10.3	5.2	*	20.7	10.1	*	24.1	14.7	*
Transient Cerebral Ischemia	15	0.0	1.7	*	13.3	3.7	*	20.0	5.9	*
Stroke	65	12.3	20.2	6.5	23.1	26.8	5.9	27.7	31.7	6.3
Hip Fracture	47	4.3	4.5	*	10.6	8.5	*	10.6	11.4	*
Sepsis	14	14.3	29.1	*	14.3	35.1	*	14.3	41.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	15	6.7	4.9	*	13.3	8.3	*	13.3	11.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	24	4.2	1.8	*	8.3	3.6	*	8.3	5.3	*
Open Reduction of Hip Fracture	20	0.0	4.3	*	5.0	8.2	*	5.0	11.0	*
Prostatectomy	64	4.7	0.9	3.1	4.7	2.3	3.2	6.3	3.8	3.8
Cholecystectomy	35	0.0	1.4	*	0.0	2.5	*	0.0	3.3	*
Hysterectomy	7	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

COPLEY HOSPITAL

Washington Hwy
Morrisville, VT 05661

Medicare Provider Number: 470010

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	412	11.4	8.6	2.5	16.0	13.2	2.7	19.2	17.0	2.6
CONDITIONS:										
Acute Myocardial Infarction	15	0.0	16.2	*	13.3	19.5	*	13.3	22.9	*
Congestive Heart Failure	20	10.0	16.0	*	15.0	24.7	*	20.0	32.1	*
Pneumonia/Influenza	41	24.4	16.0	*	29.3	21.8	*	31.7	26.5	*
Chronic Obstructive Pulmonary Disease	5	40.0	7.1	*	40.0	12.8	*	40.0	17.8	*
Transient Cerebral Ischemia	1	0.0	2.4	*	0.0	5.7	*	0.0	9.6	*
Stroke	14	28.6	19.0	*	42.9	25.1	*	50.0	29.6	*
Hip Fracture	16	12.5	6.7	*	12.5	11.9	*	18.8	15.3	*
Sepsis	5	40.0	23.3	*	40.0	31.1	*	40.0	37.1	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	2.2	*	0.0	3.5	*	0.0	4.8	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	3.5	*	0.0	6.6	*	0.0	8.7	*
Open Reduction of Hip Fracture	9	11.1	6.0	*	11.1	11.1	*	22.2	14.7	*
Prostatectomy	7	0.0	0.6	*	0.0	1.4	*	0.0	2.5	*
Cholecystectomy	9	0.0	2.1	*	0.0	3.5	*	11.1	4.4	*
Hysterectomy	2	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	53
Occupancy Rate	51
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	39
Percent of Physicians Board Certified Specialists	79
Medical Residents/Interns	0
Registered Nurses	50
Licensed Practical Nurses	5

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

COPLEY HOSPITAL

Medicare Provider Number: 470010

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	475	10.9	10.4	2.1	14.5	14.9	2.9	17.1	18.5	3.4
CONDITIONS:										
Acute Myocardial Infarction	21	33.3	29.2	*	42.9	32.4	*	42.9	36.5	*
Congestive Heart Failure	29	10.3	16.7	*	10.3	23.6	*	24.1	29.8	*
Pneumonia/Influenza	33	6.1	16.8	*	21.2	22.9	*	24.2	27.6	*
Chronic Obstructive Pulmonary Disease	16	12.5	8.2	*	12.5	14.0	*	12.5	19.2	*
Transient Cerebral Ischemia	5	0.0	1.7	*	0.0	3.7	*	0.0	5.6	*
Stroke	18	33.3	21.7	*	50.0	28.5	*	50.0	33.5	*
Hip Fracture	15	13.3	7.5	*	13.3	13.6	*	13.3	17.5	*
Sepsis	12	50.0	30.4	*	50.0	36.6	*	50.0	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	20.0	5.8	*	20.0	11.0	*	20.0	14.0	*
Open Reduction of Hip Fracture	11	0.0	6.0	*	0.0	11.5	*	0.0	15.0	*
Prostatectomy	10	0.0	0.6	*	0.0	1.3	*	0.0	2.2	*
Cholecystectomy	9	11.1	3.5	*	11.1	6.6	*	11.1	8.3	*
Hysterectomy	1	0.0	7.4	*	0.0	15.1	*	0.0	22.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	444	9.7	9.8	1.8	14.6	14.4	2.0	18.0	18.1	1.8
CONDITIONS:										
Acute Myocardial Infarction	27	18.5	31.7	*	29.6	35.3	*	33.3	39.6	*
Congestive Heart Failure	17	5.9	17.3	*	23.5	25.9	*	35.3	32.9	*
Pneumonia/Influenza	33	18.2	16.5	*	21.2	21.9	*	24.2	26.5	*
Chronic Obstructive Pulmonary Disease	14	0.0	7.4	*	14.3	12.7	*	21.4	17.4	*
Transient Cerebral Ischemia	5	0.0	2.2	*	0.0	4.7	*	20.0	7.5	*
Stroke	15	33.3	21.4	*	33.3	27.4	*	40.0	32.2	*
Hip Fracture	13	15.4	9.9	*	15.4	16.5	*	15.4	20.5	*
Sepsis	5	40.0	33.8	*	60.0	44.5	*	60.0	51.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	5.6	*	0.0	9.3	*	0.0	11.4	*
Open Reduction of Hip Fracture	9	22.2	9.2	*	22.2	16.5	*	22.2	21.0	*
Prostatectomy	12	0.0	1.2	*	0.0	2.8	*	0.0	4.4	*
Cholecystectomy	7	0.0	3.2	*	0.0	5.8	*	0.0	7.2	*
Hysterectomy	3	33.3	1.7	*	33.3	3.7	*	33.3	5.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FANNY ALLEN HOSPITAL

101 College Parkway
Winooski, VT 05404

Medicare Provider Number: 470013

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	839	10.3	10.3	1.4	15.0	15.7	1.9	19.2	19.7	1.9
CONDITIONS:										
Acute Myocardial Infarction	37	18.9	28.8	*	18.9	32.4	*	32.4	35.8	*
Congestive Heart Failure	51	23.5	15.6	9.1	33.3	24.3	9.0	39.2	31.3	9.5
Pneumonia/Influenza	34	11.8	16.6	*	14.7	22.6	*	20.6	27.3	*
Chronic Obstructive Pulmonary Disease	9	33.3	13.5	*	44.4	22.0	*	55.6	28.4	*
Transient Cerebral Ischemia	9	0.0	2.3	*	0.0	5.2	*	0.0	8.4	*
Stroke	23	21.7	20.8	*	30.4	26.7	*	34.8	31.0	*
Hip Fracture	29	6.9	7.4	*	6.9	12.9	*	6.9	16.7	*
Sepsis	5	20.0	19.7	*	40.0	28.7	*	40.0	35.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	14	0.0	3.5	*	0.0	6.9	*	0.0	9.8	*
Open Reduction of Hip Fracture	3	0.0	4.3	*	0.0	8.1	*	0.0	10.8	*
Prostatectomy	30	0.0	1.0	*	6.7	2.4	*	6.7	3.9	*
Cholecystectomy	19	0.0	3.0	*	0.0	5.0	*	0.0	6.2	*
Hysterectomy	6	0.0	0.8	*	0.0	1.5	*	0.0	2.2	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	83
Occupancy Rate	68
Ownership/Control	Church

STAFFING: (As of September 30, 1989)

Total Number of Physicians	100
Percent of Physicians Board Certified Specialists	69
Medical Residents/Interns	0
Registered Nurses	60
Licensed Practical Nurses	39

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

FANNY ALLEN HOSPITAL

Medicare Provider Number: 470013

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	945	7.6	9.4	1.4	13.5	14.3	1.3	17.7	18.1	1.3
CONDITIONS:										
Acute Myocardial Infarction	34	26.5	36.3	*	35.3	39.9	*	35.3	43.7	*
Congestive Heart Failure	59	16.9	16.1	5.3	28.8	24.2	7.2	30.5	31.0	6.8
Pneumonia/Influenza	32	9.4	16.0	*	9.4	21.4	*	12.5	25.6	*
Chronic Obstructive Pulmonary Disease	17	0.0	7.3	*	5.9	12.6	*	17.6	17.2	*
Transient Cerebral Ischemia	14	0.0	2.1	*	7.1	4.9	*	7.1	7.9	*
Stroke	28	7.1	17.9	*	14.3	24.5	*	25.0	29.0	*
Hip Fracture	34	2.9	6.4	*	8.8	12.1	*	14.7	15.8	*
Sepsis	10	20.0	15.2	*	20.0	19.9	*	30.0	24.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	20	5.0	3.4	*	10.0	6.6	*	10.0	8.7	*
Open Reduction of Hip Fracture	19	0.0	6.2	*	5.3	12.0	*	10.5	16.0	*
Prostatectomy	43	0.0	1.4	*	4.7	3.3	*	7.0	5.3	*
Cholecystectomy	23	0.0	2.7	*	0.0	5.4	*	8.7	7.3	*
Hysterectomy	6	0.0	0.9	*	0.0	1.7	*	0.0	2.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	957	8.3	9.1	1.1	15.3	13.8	2.2	18.7	17.6	1.3
CONDITIONS:										
Acute Myocardial Infarction	43	32.6	27.2	*	34.9	30.4	*	39.5	33.7	*
Congestive Heart Failure	41	22.0	16.7	*	41.5	25.0	*	48.8	31.9	*
Pneumonia/Influenza	53	13.2	17.4	8.7	18.9	23.2	7.2	26.4	28.1	6.6
Chronic Obstructive Pulmonary Disease	17	0.0	9.6	*	5.9	16.9	*	11.8	22.7	*
Transient Cerebral Ischemia	6	0.0	2.2	*	0.0	4.7	*	0.0	7.5	*
Stroke	37	13.5	23.3	*	21.6	29.8	*	35.1	34.6	*
Hip Fracture	28	10.7	7.5	*	10.7	13.5	*	10.7	17.4	*
Sepsis	15	13.3	25.3	*	20.0	34.4	*	26.7	41.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	3.7	*	0.0	7.5	*	0.0	10.5	*
Open Reduction of Hip Fracture	19	10.5	6.2	*	10.5	11.7	*	10.5	15.3	*
Prostatectomy	48	0.0	1.0	*	2.1	2.4	*	2.1	4.1	*
Cholecystectomy	18	0.0	1.8	*	0.0	3.0	*	0.0	4.0	*
Hysterectomy	6	0.0	0.2	*	0.0	0.5	*	0.0	0.7	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GIFFORD MEMORIAL HOSPITAL INC

44 S Main St
Randolph, VT 05060

Medicare Provider Number: 470004

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	301	9.6	8.3	3.2	15.6	13.3	3.6	19.3	17.4	3.2
CONDITIONS:										
Acute Myocardial Infarction	7	14.3	28.2	*	28.6	33.3	*	28.6	37.0	*
Congestive Heart Failure	19	10.5	15.6	*	10.5	24.2	*	10.5	31.3	*
Pneumonia/Influenza	25	24.0	13.2	*	32.0	18.1	*	40.0	22.3	*
Chronic Obstructive Pulmonary Disease	3	0.0	11.6	*	33.3	16.4	*	33.3	20.6	*
Transient Cerebral Ischemia	12	8.3	2.5	*	16.7	5.7	*	16.7	9.3	*
Stroke	7	28.6	20.5	*	42.9	27.3	*	42.9	31.9	*
Hip Fracture	10	0.0	5.7	*	10.0	10.4	*	10.0	13.7	*
Sepsis	1	0.0	17.6	*	0.0	25.8	*	0.0	31.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	1.3	*	0.0	2.7	*	0.0	3.9	*
Open Reduction of Hip Fracture	7	0.0	5.3	*	14.3	10.3	*	14.3	13.8	*
Prostatectomy	0									
Cholecystectomy	8	0.0	2.6	*	0.0	4.4	*	0.0	6.2	*
Hysterectomy	2	0.0	0.5	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	39
Occupancy Rate	59
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	21
Percent of Physicians Board Certified Specialists	95
Medical Residents/Interns	0
Registered Nurses	40
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GIFFORD MEMORIAL HOSPITAL INC

Medicare Provider Number: 470004

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	326	8.6	10.2	2.3	13.8	15.2	3.1	16.6	19.2	4.2
CONDITIONS:										
Acute Myocardial Infarction	11	36.4	34.7	*	45.5	38.6	*	45.5	42.4	*
Congestive Heart Failure	29	6.9	15.1	*	13.8	23.0	*	24.1	29.7	*
Pneumonia/Influenza	22	13.6	16.7	*	22.7	22.8	*	27.3	27.5	*
Chronic Obstructive Pulmonary Disease	3	0.0	3.1	*	0.0	6.4	*	0.0	9.4	*
Transient Cerebral Ischemia	9	0.0	2.9	*	0.0	7.1	*	0.0	11.7	*
Stroke	11	27.3	20.9	*	36.4	28.0	*	36.4	32.8	*
Hip Fracture	6	16.7	7.3	*	33.3	12.3	*	33.3	15.3	*
Sepsis	3	33.3	39.0	*	33.3	45.2	*	33.3	51.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	3.2	*	0.0	5.9	*	0.0	7.8	*
Open Reduction of Hip Fracture	4	25.0	7.0	*	50.0	12.2	*	50.0	15.3	*
Prostatectomy	0									
Cholecystectomy	14	0.0	1.3	*	0.0	2.2	*	0.0	2.9	*
Hysterectomy	1	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	345	7.8	9.5	2.1	13.0	14.4	2.3	15.7	18.2	3.5
CONDITIONS:										
Acute Myocardial Infarction	11	18.2	25.7	*	18.2	29.1	*	27.3	32.8	*
Congestive Heart Failure	20	5.0	12.8	*	5.0	19.7	*	10.0	25.9	*
Pneumonia/Influenza	21	9.5	13.2	*	9.5	18.6	*	9.5	23.0	*
Chronic Obstructive Pulmonary Disease	10	0.0	9.9	*	10.0	17.0	*	20.0	23.6	*
Transient Cerebral Ischemia	8	0.0	2.8	*	0.0	6.5	*	0.0	10.6	*
Stroke	26	15.4	21.9	*	30.8	29.9	*	34.6	34.9	*
Hip Fracture	11	18.2	7.3	*	18.2	13.1	*	18.2	17.1	*
Sepsis	5	0.0	25.3	*	0.0	31.7	*	0.0	37.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	1.7	*	0.0	3.5	*	0.0	4.8	*
Open Reduction of Hip Fracture	5	40.0	8.0	*	40.0	14.8	*	40.0	19.2	*
Prostatectomy	2	0.0	1.6	*	0.0	3.6	*	0.0	5.5	*
Cholecystectomy	9	0.0	3.7	*	0.0	6.3	*	0.0	7.8	*
Hysterectomy	4	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

GRACE COTTAGE HOSPITAL

Rt 35
Townshend, VT 05353

Medicare Provider Number: 470020

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	61	14.8	12.9	5.0	19.7	20.2	6.7	21.3	25.2	8.7
CONDITIONS:										
Acute Myocardial Infarction	1	0.0	34.2	*	0.0	39.5	*	0.0	44.3	*
Congestive Heart Failure	5	20.0	10.5	*	20.0	16.6	*	20.0	22.3	*
Pneumonia/Influenza	5	0.0	17.4	*	0.0	25.3	*	0.0	31.3	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	1	0.0	1.1	*	0.0	2.3	*	0.0	3.7	*
Stroke	3	66.7	22.0	*	66.7	28.5	*	100.0	33.4	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	35
Occupancy Rate	74
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	4
Percent of Physicians Board Certified Specialists	75
Medical Residents/Interns	0
Registered Nurses	9
Licensed Practical Nurses	11

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

GRACE COTTAGE HOSPITAL

Medicare Provider Number: 470020

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	71	11.3	12.1	3.9	18.3	17.0	5.1	23.9	21.0	7.7
CONDITIONS:										
Acute Myocardial Infarction	2	0.0	48.4	*	0.0	52.9	*	0.0	56.8	*
Congestive Heart Failure	5	20.0	13.1	*	20.0	19.5	*	40.0	25.0	*
Pneumonia/Influenza	7	0.0	16.5	*	14.3	21.9	*	14.3	26.0	*
Chronic Obstructive Pulmonary Disease	1	0.0	11.8	*	100.0	17.6	*	100.0	22.2	*
Transient Cerebral Ischemia	2	0.0	1.7	*	0.0	3.5	*	50.0	5.4	*
Stroke	8	25.0	24.2	*	37.5	31.0	*	37.5	36.2	*
Hip Fracture	0									
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	85	15.3	12.5	4.5	21.2	18.7	4.5	23.5	23.3	4.6
CONDITIONS:										
Acute Myocardial Infarction	3	66.7	37.4	*	66.7	48.4	*	66.7	54.2	*
Congestive Heart Failure	7	14.3	18.9	*	28.6	29.3	*	42.9	37.5	*
Pneumonia/Influenza	7	14.3	16.6	*	14.3	22.2	*	14.3	26.9	*
Chronic Obstructive Pulmonary Disease	0									
Transient Cerebral Ischemia	5	0.0	2.4	*	20.0	5.5	*	20.0	9.0	*
Stroke	5	0.0	23.5	*	0.0	30.9	*	20.0	36.1	*
Hip Fracture	1	0.0	19.4	*	0.0	32.3	*	0.0	38.9	*
Sepsis	0									
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	0									
Cholecystectomy	0									
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MEDICAL CENTER HOSPITAL OF VERMONT

Colchester Ave
Burlington, VT 05401

Medicare Provider Number: 470003

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,663	9.4	8.2	0.7	13.6	12.6	0.7	17.0	16.2	0.9
CONDITIONS:										
Acute Myocardial Infarction	93	15.1	23.8	7.5	19.4	27.0	7.5	23.7	30.4	6.9
Congestive Heart Failure	92	18.5	16.0	4.4	30.4	24.5	8.4	35.9	31.6	7.6
Pneumonia/Influenza	61	14.8	15.6	4.7	19.7	21.7	5.5	23.0	26.3	5.9
Chronic Obstructive Pulmonary Disease	17	17.6	7.7	*	35.3	13.4	*	41.2	18.6	*
Transient Cerebral Ischemia	21	4.8	1.7	*	9.5	3.6	*	9.5	5.6	*
Stroke	64	35.9	23.9	8.3	43.8	30.2	7.8	45.3	34.7	7.2
Hip Fracture	62	6.5	6.4	3.2	8.1	11.2	5.2	8.1	14.3	6.9
Sepsis	14	14.3	26.8	*	28.6	37.6	*	28.6	45.1	*
PROCEDURES:										
Angioplasty	63	1.6	3.2	3.4	1.6	4.2	3.8	1.6	5.4	4.4
Coronary Artery Bypass Graft	164	3.7	5.2	2.1	7.9	7.5	2.2	8.5	8.9	2.2
Initial Pacemaker Insertion	29	0.0	1.8	*	3.4	3.7	*	6.9	5.7	*
Carotid Endarterectomy	13	7.7	1.1	*	7.7	1.9	*	7.7	2.7	*
Hip Replacement/Reconstruction	79	2.5	2.2	1.7	3.8	4.1	2.3	3.8	5.5	2.9
Open Reduction of Hip Fracture	20	10.0	6.1	*	10.0	11.1	*	10.0	14.3	*
Prostatectomy	72	1.4	0.9	1.5	4.2	2.2	3.0	6.9	3.8	4.8
Cholecystectomy	31	0.0	2.8	*	12.9	5.3	*	12.9	7.0	*
Hysterectomy	28	3.6	0.8	*	3.6	1.8	*	3.6	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	484
Occupancy Rate	80
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	434
Percent of Physicians Board Certified Specialists	82
Medical Residents/Interns	189
Registered Nurses	510
Licensed Practical Nurses	98

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	Yes
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	Yes

**** Not used in calculating hospital mortality rates.**

MEDICAL CENTER HOSPITAL OF VERMONT

Medicare Provider Number: 470003

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,655	8.3	8.0	0.6	13.2	12.3	0.9	16.8	15.8	1.0
CONDITIONS:										
Acute Myocardial Infarction	116	29.3	26.1	5.0	29.3	29.8	4.3	31.9	33.5	4.9
Congestive Heart Failure	77	15.6	16.0	5.8	40.3	24.4	7.8	45.5	31.4	7.2
Pneumonia/Influenza	42	14.3	16.7	*	21.4	23.0	*	28.6	27.9	*
Chronic Obstructive Pulmonary Disease	22	22.7	8.4	*	27.3	13.8	*	27.3	18.7	*
Transient Cerebral Ischemia	40	2.5	1.6	*	7.5	3.5	*	10.0	5.4	*
Stroke	70	22.9	21.2	5.1	25.7	27.3	5.6	28.6	31.7	7.4
Hip Fracture	46	8.7	6.1	*	13.0	11.3	*	15.2	14.6	*
Sepsis	22	36.4	24.2	*	40.9	33.1	*	40.9	39.7	*
PROCEDURES:										
Angioplasty	53	5.7	3.9	3.1	7.5	5.2	3.6	7.5	6.5	3.8
Coronary Artery Bypass Graft	131	9.9	5.8	4.6	11.5	8.0	4.7	13.0	9.3	4.9
Initial Pacemaker Insertion	32	6.3	3.3	*	12.5	6.2	*	18.8	9.0	*
Carotid Endarterectomy	15	0.0	1.5	*	0.0	3.2	*	0.0	5.0	*
Hip Replacement/Reconstruction	71	0.0	1.9	*	0.0	3.5	*	1.4	4.7	*
Open Reduction of Hip Fracture	13	15.4	5.4	*	23.1	10.7	*	23.1	14.5	*
Prostatectomy	68	1.5	1.6	2.3	1.5	3.1	3.0	2.9	4.6	3.5
Cholecystectomy	43	2.3	3.7	*	4.7	7.1	*	9.3	9.4	*
Hysterectomy	14	0.0	1.6	*	0.0	3.5	*	0.0	5.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,549	8.4	8.2	0.8	13.5	12.8	1.0	17.1	16.5	1.2
CONDITIONS:										
Acute Myocardial Infarction	97	20.6	29.0	6.3	24.7	32.7	5.9	32.0	36.4	5.3
Congestive Heart Failure	83	14.5	15.7	4.7	25.3	23.7	6.4	32.5	30.5	6.7
Pneumonia/Influenza	48	18.8	17.1	*	31.3	23.6	*	33.3	28.6	*
Chronic Obstructive Pulmonary Disease	24	4.2	7.1	*	12.5	13.5	*	25.0	18.5	*
Transient Cerebral Ischemia	39	5.1	1.7	*	10.3	3.3	*	10.3	4.9	*
Stroke	60	26.7	21.5	12.0	36.7	28.0	12.2	40.0	32.5	11.3
Hip Fracture	47	0.0	5.6	*	2.1	10.3	*	2.1	13.5	*
Sepsis	19	21.1	21.7	*	26.3	30.2	*	36.8	36.6	*
PROCEDURES:										
Angioplasty	30	0.0	4.1	*	0.0	5.3	*	0.0	6.5	*
Coronary Artery Bypass Graft	117	6.0	6.1	2.5	7.7	8.4	2.6	9.4	9.8	2.8
Initial Pacemaker Insertion	36	2.8	3.2	*	5.6	6.6	*	5.6	9.8	*
Carotid Endarterectomy	13	0.0	1.5	*	0.0	2.7	*	7.7	3.9	*
Hip Replacement/Reconstruction	74	0.0	2.5	2.9	2.7	4.4	2.8	2.7	5.8	3.8
Open Reduction of Hip Fracture	22	0.0	5.1	*	0.0	9.9	*	0.0	13.3	*
Prostatectomy	45	0.0	0.8	*	0.0	2.1	*	0.0	3.5	*
Cholecystectomy	42	2.4	3.6	*	7.1	6.8	*	14.3	9.1	*
Hysterectomy	19	5.3	1.2	*	5.3	2.7	*	5.3	4.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

MT ASCUTNEY HOSPITAL & HEALTH CENTER

Box 375
Windsor, VT 05089

Medicare Provider Number: 470015

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	240	11.2	9.6	2.5	14.6	14.1	2.4	17.5	17.5	2.6
CONDITIONS:										
Acute Myocardial Infarction	10	0.0	17.6	*	0.0	21.0	*	0.0	24.3	*
Congestive Heart Failure	12	16.7	16.0	*	25.0	25.4	*	33.3	33.2	*
Pneumonia/Influenza	16	0.0	10.0	*	0.0	14.3	*	6.3	17.9	*
Chronic Obstructive Pulmonary Disease	1	0.0	15.0	*	0.0	19.6	*	0.0	24.1	*
Transient Cerebral Ischemia	1	0.0	5.6	*	0.0	14.9	*	0.0	25.5	*
Stroke	12	41.7	22.0	*	50.0	30.8	*	50.0	35.8	*
Hip Fracture	11	9.1	6.5	*	18.2	11.7	*	27.3	15.0	*
Sepsis	1	0.0	28.2	*	0.0	32.5	*	0.0	37.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	3.2	*	0.0	5.9	*	20.0	7.8	*
Open Reduction of Hip Fracture	5	20.0	6.3	*	40.0	11.9	*	40.0	15.5	*
Prostatectomy	8	0.0	0.5	*	0.0	1.2	*	0.0	2.1	*
Cholecystectomy	2	0.0	2.3	*	0.0	4.4	*	0.0	5.5	*
Hysterectomy	3	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	65
Occupancy Rate	75
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	22
Percent of Physicians Board Certified Specialists	100
Medical Residents/Interns	0
Registered Nurses	27
Licensed Practical Nurses	7

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	Yes
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

MT ASCUTNEY HOSPITAL & HEALTH CENTER

Medicare Provider Number: 470015

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	228	11.4	9.1	2.2	15.8	13.8	2.5	20.6	17.5	3.0
CONDITIONS:										
Acute Myocardial Infarction	6	50.0	35.3	*	50.0	39.7	*	50.0	43.8	*
Congestive Heart Failure	14	14.3	14.3	*	28.6	22.0	*	35.7	28.4	*
Pneumonia/Influenza	21	19.0	14.5	*	23.8	20.1	*	28.6	24.6	*
Chronic Obstructive Pulmonary Disease	4	0.0	3.8	*	0.0	6.5	*	0.0	8.8	*
Transient Cerebral Ischemia	2	0.0	2.5	*	0.0	6.4	*	0.0	11.1	*
Stroke	10	10.0	18.1	*	20.0	26.3	*	40.0	31.4	*
Hip Fracture	7	28.6	7.1	*	28.6	13.5	*	28.6	17.8	*
Sepsis	1	0.0	20.3	*	0.0	24.4	*	0.0	28.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	6	16.7	4.2	*	16.7	8.0	*	16.7	10.5	*
Open Reduction of Hip Fracture	2	0.0	3.7	*	0.0	7.2	*	0.0	9.8	*
Prostatectomy	6	0.0	0.3	*	0.0	0.7	*	0.0	1.2	*
Cholecystectomy	8	0.0	1.8	*	0.0	3.3	*	0.0	4.4	*
Hysterectomy	2	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	260	13.5	11.0	2.5	18.5	15.9	3.4	23.5	19.8	3.9
CONDITIONS:										
Acute Myocardial Infarction	14	21.4	29.1	*	21.4	33.8	*	21.4	37.7	*
Congestive Heart Failure	17	29.4	23.5	*	41.2	31.9	*	52.9	38.6	*
Pneumonia/Influenza	12	0.0	16.1	*	8.3	22.0	*	8.3	26.6	*
Chronic Obstructive Pulmonary Disease	1	0.0	3.3	*	0.0	6.4	*	0.0	9.4	*
Transient Cerebral. Ischemia	5	0.0	2.0	*	0.0	4.4	*	0.0	7.0	*
Stroke	12	33.3	24.3	*	41.7	31.7	*	58.3	36.6	*
Hip Fracture	7	0.0	6.2	*	14.3	11.8	*	28.6	15.5	*
Sepsis	4	25.0	23.7	*	25.0	30.4	*	25.0	36.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	1.7	*	0.0	3.4	*	0.0	4.7	*
Open Reduction of Hip Fracture	0									
Prostatectomy	14	7.1	1.7	*	7.1	3.6	*	7.1	6.0	*
Cholecystectomy	4	0.0	2.5	*	0.0	5.4	*	0.0	7.7	*
Hysterectomy	4	0.0	0.9	*	0.0	2.2	*	0.0	3.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NORTH COUNTRY HOSPITAL & HEALTH CENTER

Longview St Highland Ave
Newport, VT 05855

Medicare Provider Number: 470008

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	641	12.2	9.4	2.4	16.7	13.9	2.5	19.8	17.6	2.3
CONDITIONS:										
Acute Myocardial Infarction	20	25.0	26.9	*	30.0	30.4	*	30.0	33.8	*
Congestive Heart Failure	39	23.1	14.7	*	33.3	21.9	*	35.9	28.1	*
Pneumonia/Influenza	29	20.7	16.4	*	27.6	22.6	*	31.0	27.3	*
Chronic Obstructive Pulmonary Disease	33	6.1	7.3	*	6.1	12.6	*	9.1	17.0	*
Transient Cerebral Ischemia	11	9.1	3.7	*	9.1	8.9	*	9.1	14.5	*
Stroke	19	26.3	21.7	*	26.3	27.3	*	31.6	31.7	*
Hip Fracture	15	13.3	6.5	*	20.0	11.7	*	33.3	15.1	*
Sepsis	5	20.0	25.0	*	40.0	32.0	*	40.0	37.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	10.1	*	33.3	12.7	*	33.3	15.3	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	12	8.3	3.6	*	8.3	6.7	*	16.7	8.8	*
Open Reduction of Hip Fracture	10	10.0	5.0	*	20.0	9.6	*	40.0	12.8	*
Prostatectomy	12	0.0	0.6	*	8.3	1.5	*	8.3	2.7	*
Cholecystectomy	12	0.0	3.7	*	16.7	5.9	*	16.7	6.9	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	80
Occupancy Rate	45
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	27
Percent of Physicians Board Certified Specialists	70
Medical Residents/Interns	0
Registered Nurses	56
Licensed Practical Nurses	29

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NORTH COUNTRY HOSPITAL & HEALTH CENTER

Medicare Provider Number: 470008

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	679	11.8	10.2	1.5	16.6	15.1	1.6	19.6	18.9	1.7
CONDITIONS:										
Acute Myocardial Infarction	29	27.6	25.6	*	27.6	28.7	*	31.0	31.9	*
Congestive Heart Failure	44	18.2	14.0	*	20.5	21.5	*	27.3	28.0	*
Pneumonia/Influenza	27	11.1	13.3	*	14.8	18.4	*	22.2	22.5	*
Chronic Obstructive Pulmonary Disease	27	11.1	7.1	*	18.5	12.3	*	25.9	16.9	*
Transient Cerebral Ischemia	7	0.0	2.1	*	0.0	4.3	*	0.0	6.7	*
Stroke	19	10.5	21.2	*	21.1	26.9	*	26.3	31.4	*
Hip Fracture	21	4.8	6.5	*	9.5	11.9	*	9.5	15.2	*
Sepsis	17	35.3	31.6	*	41.2	39.2	*	41.2	45.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	25.0	6.1	*	50.0	10.5	*	50.0	13.9	*
Carotid Endarterectomy	2	0.0	1.0	*	0.0	2.1	*	0.0	3.0	*
Hip Replacement/Reconstruction	11	0.0	4.0	*	0.0	7.5	*	0.0	9.8	*
Open Reduction of Hip Fracture	8	0.0	8.5	*	12.5	16.0	*	12.5	20.5	*
Prostatectomy	7	14.3	0.6	*	14.3	1.3	*	14.3	2.2	*
Cholecystectomy	2	0.0	0.6	*	0.0	1.0	*	0.0	1.3	*
Hysterectomy	1	0.0	2.0	*	0.0	5.5	*	0.0	10.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	620	8.2	10.8	1.9	13.1	15.8	2.1	19.4	19.8	1.6
CONDITIONS:										
Acute Myocardial Infarction	27	14.8	24.9	*	14.8	29.5	*	22.2	33.3	*
Congestive Heart Failure	32	6.3	16.8	*	12.5	24.5	*	25.0	31.2	*
Pneumonia/Influenza	23	21.7	16.6	*	21.7	22.5	*	26.1	27.1	*
Chronic Obstructive Pulmonary Disease	41	9.8	10.6	*	12.2	18.3	*	19.5	24.2	*
Transient Cerebral Ischemia	18	0.0	2.7	*	0.0	6.1	*	5.6	9.6	*
Stroke	24	12.5	22.3	*	25.0	28.8	*	37.5	33.6	*
Hip Fracture	13	0.0	5.4	*	0.0	9.8	*	7.7	12.8	*
Sepsis	20	25.0	34.6	*	45.0	43.4	*	60.0	50.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	1.6	*	0.0	3.4	*	0.0	5.4	*
Carotid Endarterectomy	2	0.0	1.0	*	0.0	1.7	*	0.0	2.5	*
Hip Replacement/Reconstruction	7	0.0	1.9	*	0.0	3.7	*	0.0	5.0	*
Open Reduction of Hip Fracture	9	0.0	5.3	*	0.0	9.9	*	11.1	13.0	*
Prostatectomy	3	0.0	3.1	*	0.0	8.4	*	33.3	15.0	*
Cholecystectomy	7	0.0	3.6	*	0.0	6.5	*	14.3	8.5	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NORTHEASTERN VERMONT REGIONAL HOSPITAL

Hospital Dr
Saint Johnsbury, VT 05819

Medicare Provider Number: 470023

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	520	9.0	8.3	1.5	11.9	12.4	1.8	14.0	15.7	2.5
CONDITIONS:										
Acute Myocardial Infarction	24	33.3	28.3	*	33.3	31.4	*	33.3	35.1	*
Congestive Heart Failure	25	12.0	13.4	*	16.0	20.8	*	24.0	27.5	*
Pneumonia/Influenza	30	13.3	9.6	*	16.7	13.7	*	20.0	17.0	*
Chronic Obstructive Pulmonary Disease	14	28.6	6.6	*	28.6	12.0	*	28.6	17.0	*
Transient Cerebral Ischemia	5	0.0	2.3	*	0.0	5.1	*	20.0	8.1	*
Stroke	21	4.8	18.1	*	4.8	24.0	*	4.8	28.2	*
Hip Fracture	28	7.1	5.8	*	10.7	10.6	*	10.7	13.9	*
Sepsis	9	22.2	21.2	*	22.2	28.0	*	22.2	33.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	13	7.7	4.3	*	7.7	8.1	*	7.7	11.0	*
Open Reduction of Hip Fracture	20	5.0	4.8	*	10.0	9.0	*	10.0	12.0	*
Prostatectomy	19	0.0	0.7	*	0.0	1.7	*	0.0	2.9	*
Cholecystectomy	13	0.0	2.6	*	0.0	4.2	*	0.0	5.1	*
Hysterectomy	12	0.0	0.5	*	0.0	0.8	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	100
Occupancy Rate	48
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	31
Percent of Physicians Board Certified Specialists	68
Medical Residents/Interns	0
Registered Nurses	70
Licensed Practical Nurses	22

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	Yes
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NORTHEASTERN VERMONT REGIONAL HOSPITAL

Medicare Provider Number: 470023

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	599	9.0	9.0	1.2	13.4	13.4	1.6	15.7	17.0	2.0
CONDITIONS:										
Acute Myocardial Infarction	29	17.2	27.0	*	20.7	29.7	*	20.7	32.8	*
Congestive Heart Failure	30	16.7	16.7	*	23.3	25.4	*	23.3	32.6	*
Pneumonia/Influenza	42	31.0	12.9	*	35.7	18.2	*	35.7	22.4	*
Chronic Obstructive Pulmonary Disease	22	13.6	4.4	*	18.2	8.0	*	27.3	11.5	*
Transient Cerebral Ischemia	2	0.0	2.7	*	0.0	7.0	*	50.0	12.2	*
Stroke	31	16.1	18.5	*	22.6	24.2	*	22.6	28.6	*
Hip Fracture	22	4.5	5.7	*	9.1	10.5	*	13.6	13.7	*
Sepsis	8	25.0	19.7	*	25.0	27.0	*	25.0	32.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	18	5.6	1.8	*	5.6	3.5	*	5.6	4.8	*
Open Reduction of Hip Fracture	12	8.3	6.5	*	16.7	12.6	*	25.0	16.6	*
Prostatectomy	14	0.0	0.8	*	0.0	1.7	*	0.0	2.7	*
Cholecystectomy	16	0.0	3.2	*	0.0	5.8	*	12.5	7.5	*
Hysterectomy	4	0.0	0.2	*	0.0	0.3	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	553	9.4	9.1	1.3	13.6	13.4	2.1	15.9	16.8	2.5
CONDITIONS:										
Acute Myocardial Infarction	19	21.1	22.4	*	26.3	24.8	*	26.3	27.6	*
Congestive Heart Failure	39	10.3	15.2	*	12.8	22.2	*	23.1	28.6	*
Pneumonia/Influenza	33	12.1	13.0	*	15.2	18.5	*	18.2	22.8	*
Chronic Obstructive Pulmonary Disease	8	0.0	6.2	*	0.0	11.3	*	0.0	15.5	*
Transient Cerebral Ischemia	6	0.0	1.6	*	0.0	3.5	*	0.0	5.6	*
Stroke	26	11.5	26.3	*	19.2	33.7	*	23.1	38.9	*
Hip Fracture	32	9.4	6.5	*	15.6	11.6	*	15.6	15.0	*
Sepsis	7	28.6	33.8	*	42.9	41.0	*	42.9	47.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	2	0.0	1.9	*	50.0	4.3	*	50.0	6.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	23	0.0	4.7	*	4.3	8.6	*	4.3	11.1	*
Open Reduction of Hip Fracture	19	15.8	5.9	*	21.1	11.4	*	21.1	15.1	*
Prostatectomy	10	0.0	1.0	*	0.0	2.4	*	0.0	4.0	*
Cholecystectomy	9	11.1	2.4	*	11.1	4.1	*	11.1	5.1	*
Hysterectomy	2	0.0	0.2	*	0.0	0.4	*	0.0	0.5	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

NORTHWESTERN MEDICAL CENTER INC

Box 868 Fairfield St
Saint Albans, VT 05478

Medicare Provider Number: 470024

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	567	10.2	10.7	1.4	13.9	15.1	1.8	17.3	18.9	2.2
CONDITIONS:										
Acute Myocardial Infarction	37	32.4	33.3	*	32.4	36.3	*	35.1	39.7	*
Congestive Heart Failure	30	10.0	13.0	*	16.7	20.0	*	23.3	26.0	*
Pneumonia/Influenza	49	12.2	16.1	*	14.3	21.3	*	18.4	25.8	*
Chronic Obstructive Pulmonary Disease	4	0.0	7.7	*	0.0	13.1	*	0.0	17.9	*
Transient Cerebral Ischemia	8	0.0	1.4	*	12.5	3.0	*	12.5	4.8	*
Stroke	17	11.8	20.2	*	29.4	25.9	*	29.4	30.3	*
Hip Fracture	22	4.5	6.3	*	9.1	11.5	*	13.6	15.0	*
Sepsis	9	33.3	35.8	*	44.4	41.6	*	44.4	47.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	4.0	*	0.0	8.4	*	12.5	12.3	*
Open Reduction of Hip Fracture	13	0.0	5.6	*	7.7	10.5	*	15.4	13.8	*
Prostatectomy	14	0.0	0.8	*	0.0	2.1	*	0.0	3.7	*
Cholecystectomy	18	5.6	1.5	*	5.6	2.6	*	5.6	3.5	*
Hysterectomy	9	0.0	0.2	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	77
Occupancy Rate	48
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	31
Percent of Physicians Board Certified Specialists	61
Medical Residents/Interns	0
Registered Nurses	59
Licensed Practical Nurses	20

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

NORTHWESTERN MEDICAL CENTER INC

Medicare Provider Number: 470024

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	572	12.1	9.2	1.8	16.4	13.7	2.1	20.5	17.3	2.4
CONDITIONS:										
Acute Myocardial Infarction	21	57.1	29.5	*	57.1	33.5	*	57.1	37.5	*
Congestive Heart Failure	28	10.7	15.1	*	25.0	22.9	*	32.1	29.2	*
Pneumonia/Influenza	34	14.7	18.6	*	17.6	25.0	*	20.6	30.1	*
Chronic Obstructive Pulmonary Disease	2	0.0	6.4	*	50.0	10.5	*	50.0	14.3	*
Transient Cerebral Ischemia	7	0.0	2.2	*	0.0	4.5	*	0.0	7.0	*
Stroke	29	17.2	21.4	*	24.1	28.0	*	27.6	32.7	*
Hip Fracture	18	5.6	6.7	*	5.6	12.0	*	16.7	15.3	*
Sepsis	11	54.5	31.0	*	54.5	36.9	*	72.7	42.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	1.4	*	0.0	3.4	*	0.0	5.5	*
Open Reduction of Hip Fracture	18	5.6	5.8	*	5.6	10.9	*	16.7	14.2	*
Prostatectomy	14	0.0	0.4	*	0.0	1.0	*	0.0	1.6	*
Cholecystectomy	19	10.5	2.2	*	21.1	3.8	*	21.1	4.7	*
Hysterectomy	2	0.0	0.2	*	0.0	0.5	*	0.0	0.8	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	666	13.5	10.9	1.5	19.5	15.7	1.9	22.8	19.6	2.4
CONDITIONS:										
Acute Myocardial Infarction	31	45.2	31.9	*	51.6	35.0	*	58.1	38.4	*
Congestive Heart Failure	31	12.9	18.8	*	22.6	28.0	*	45.2	35.3	*
Pneumonia/Influenza	46	19.6	20.0	*	30.4	26.8	*	30.4	32.1	*
Chronic Obstructive Pulmonary Disease	6	0.0	6.3	*	33.3	11.3	*	33.3	15.4	*
Transient Cerebral Ischemia	14	7.1	2.0	*	7.1	4.3	*	14.3	6.8	*
Stroke	27	33.3	22.9	*	40.7	29.9	*	44.4	34.9	*
Hip Fracture	20	10.0	6.6	*	15.0	12.1	*	15.0	15.7	*
Sepsis	12	41.7	33.5	*	41.7	42.0	*	41.7	48.6	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	0.4	*	0.0	0.7	*	0.0	1.0	*
Open Reduction of Hip Fracture	15	0.0	4.9	*	6.7	9.3	*	6.7	12.4	*
Prostatectomy	16	0.0	0.5	*	0.0	1.2	*	0.0	2.0	*
Cholecystectomy	23	0.0	2.9	*	0.0	4.8	*	0.0	6.1	*
Hysterectomy	2	0.0	0.1	*	0.0	0.1	*	0.0	0.2	*

*The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.

PORTER MEDICAL CENTER INC

South St
Middlebury, VT 05753

Medicare Provider Number: 470006

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	399	8.3	9.5	1.6	11.5	13.7	2.1	14.0	17.3	2.7
CONDITIONS:										
Acute Myocardial Infarction	16	31.3	27.8	*	37.5	30.6	*	37.5	33.9	*
Congestive Heart Failure	18	5.6	13.5	*	5.6	20.6	*	16.7	26.8	*
Pneumonia/Influenza	40	12.5	16.3	*	15.0	21.7	*	17.5	26.2	*
Chronic Obstructive Pulmonary Disease	5	0.0	5.5	*	0.0	10.8	*	0.0	15.5	*
Transient Cerebral Ischemia	5	0.0	2.5	*	0.0	5.6	*	0.0	9.0	*
Stroke	19	47.4	27.6	*	52.6	35.8	*	57.9	41.2	*
Hip Fracture	18	5.6	7.9	*	11.1	13.6	*	22.2	17.3	*
Sepsis	3	0.0	31.0	*	0.0	37.2	*	0.0	43.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	9	11.1	6.1	*	22.2	10.5	*	22.2	13.3	*
Open Reduction of Hip Fracture	5	0.0	6.6	*	0.0	11.7	*	0.0	14.9	*
Prostatectomy	7	0.0	0.4	*	0.0	0.9	*	0.0	1.6	*
Cholecystectomy	23	4.3	2.8	*	4.3	5.3	*	4.3	7.4	*
Hysterectomy	2	0.0	0.4	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	95
Occupancy Rate	80
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	44
Percent of Physicians Board Certified Specialists	64
Medical Residents/Interns	0
Registered Nurses	58
Licensed Practical Nurses	29

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

PORTER MEDICAL CENTER INC

Medicare Provider Number: 470006

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	399	9.5	10.5	2.3	13.3	15.3	2.3	17.5	19.0	2.1
CONDITIONS:										
Acute Myocardial Infarction	17	23.5	31.0	*	35.3	35.5	*	41.2	39.7	*
Congestive Heart Failure	10	20.0	14.8	*	20.0	22.0	*	40.0	28.2	*
Pneumonia/Influenza	34	11.8	16.3	*	14.7	21.9	*	20.6	26.4	*
Chronic Obstructive Pulmonary Disease	4	0.0	7.9	*	0.0	16.6	*	0.0	23.9	*
Transient Cerebral Ischemia	5	0.0	2.5	*	0.0	5.7	*	0.0	9.0	*
Stroke	16	25.0	24.6	*	31.3	31.7	*	37.5	37.0	*
Hip Fracture	16	6.3	6.9	*	6.3	12.2	*	12.5	15.6	*
Sepsis	5	20.0	33.5	*	20.0	42.5	*	40.0	49.3	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	7	0.0	6.1	*	0.0	11.7	*	0.0	15.3	*
Open Reduction of Hip Fracture	7	14.3	6.1	*	14.3	11.3	*	28.6	14.7	*
Prostatectomy	12	0.0	0.6	*	0.0	1.5	*	8.3	2.5	*
Cholecystectomy	16	6.3	4.7	*	6.3	8.2	*	6.3	10.3	*
Hysterectomy	3	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	403	7.9	10.1	2.5	12.7	14.7	3.3	14.9	18.4	3.3
CONDITIONS:										
Acute Myocardial Infarction	20	15.0	29.3	*	25.0	33.5	*	30.0	37.3	*
Congestive Heart Failure	15	20.0	18.6	*	20.0	28.0	*	20.0	35.4	*
Pneumonia/Influenza	44	18.2	18.1	*	31.8	24.2	*	36.4	29.2	*
Chronic Obstructive Pulmonary Disease	8	12.5	9.3	*	12.5	19.4	*	12.5	28.3	*
Transient Cerebral Ischemia	8	0.0	1.8	*	0.0	3.9	*	0.0	6.1	*
Stroke	21	28.6	25.6	*	28.6	33.1	*	28.6	38.3	*
Hip Fracture	8	0.0	8.3	*	0.0	15.3	*	0.0	19.9	*
Sepsis	4	0.0	21.5	*	25.0	28.8	*	25.0	34.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	0.0	5.1	*	0.0	9.3	*	0.0	11.7	*
Open Reduction of Hip Fracture	5	0.0	6.4	*	0.0	12.8	*	0.0	17.5	*
Prostatectomy	7	0.0	0.6	*	0.0	1.5	*	0.0	2.5	*
Cholecystectomy	10	0.0	2.5	*	10.0	4.2	*	10.0	5.2	*
Hysterectomy	5	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

ROCKINGHAM MEMORIAL HOSPITAL

Hospital Ct
Bellows Falls, VT 05101

Medicare Provider Number: 470016

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	181	12.7	9.9	3.6	21.5	14.6	4.5	25.4	18.5	4.6
CONDITIONS:										
Acute Myocardial Infarction	5	40.0	34.0	*	40.0	37.9	*	60.0	41.7	*
Congestive Heart Failure	11	18.2	15.2	*	36.4	23.3	*	45.5	29.9	*
Pneumonia/Influenza	26	19.2	19.4	*	30.8	25.7	*	30.8	30.3	*
Chronic Obstructive Pulmonary Disease	5	20.0	18.2	*	20.0	26.6	*	40.0	32.9	*
Transient Cerebral Ischemia	1	100.0	5.0	*	100.0	13.4	*	100.0	23.1	*
Stroke	4	75.0	30.4	*	75.0	38.8	*	75.0	44.5	*
Hip Fracture	6	16.7	4.3	*	16.7	7.9	*	33.3	10.5	*
Sepsis	4	0.0	13.8	*	0.0	17.9	*	0.0	21.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	1	0.0	3.2	*	0.0	6.4	*	0.0	9.2	*
Open Reduction of Hip Fracture	3	0.0	3.2	*	0.0	6.3	*	33.3	8.7	*
Prostatectomy	0									
Cholecystectomy	4	0.0	1.6	*	0.0	2.6	*	0.0	3.3	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	32
Occupancy Rate	28
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	10
Percent of Physicians Board Certified Specialists	10
Medical Residents/Interns	0
Registered Nurses	12
Licensed Practical Nurses	4

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	No
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

ROCKINGHAM MEMORIAL HOSPITAL

Medicare Provider Number: 470016

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	232	13.4	10.5	3.1	16.4	15.4	2.8	19.8	19.3	2.9
CONDITIONS:										
Acute Myocardial Infarction	9	22.2	25.8	*	44.4	28.4	*	44.4	31.4	*
Congestive Heart Failure	17	23.5	16.2	*	23.5	24.4	*	23.5	31.1	*
Pneumonia/Influenza	21	19.0	20.6	*	28.6	27.7	*	38.1	33.1	*
Chronic Obstructive Pulmonary Disease	10	30.0	18.5	*	30.0	26.0	*	30.0	32.4	*
Transient Cerebral Ischemia	3	0.0	2.1	*	0.0	4.6	*	0.0	7.3	*
Stroke	9	44.4	28.5	*	55.6	35.2	*	55.6	40.3	*
Hip Fracture	7	0.0	6.2	*	0.0	11.0	*	0.0	14.0	*
Sepsis	4	25.0	17.4	*	25.0	26.1	*	25.0	32.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	0.0	1.2	*	0.0	2.3	*	0.0	3.1	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	3	0.0	7.2	*	0.0	13.3	*	0.0	16.9	*
Open Reduction of Hip Fracture	3	0.0	6.1	*	0.0	11.2	*	0.0	14.3	*
Prostatectomy	1	0.0	1.2	*	0.0	3.1	*	0.0	5.0	*
Cholecystectomy	4	0.0	0.8	*	0.0	1.5	*	0.0	2.1	*
Hysterectomy	0									

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	219	10.5	9.7	4.0	17.4	14.5	4.2	19.6	18.5	3.6
CONDITIONS:										
Acute Myocardial Infarction	13	23.1	28.8	*	23.1	32.8	*	23.1	36.4	*
Congestive Heart Failure	16	31.3	17.0	*	56.3	25.5	*	62.5	32.8	*
Pneumonia/Influenza	14	14.3	16.3	*	21.4	21.2	*	21.4	25.4	*
Chronic Obstructive Pulmonary Disease	6	16.7	15.0	*	16.7	23.9	*	16.7	30.6	*
Transient Cerebral Ischemia	5	0.0	1.6	*	0.0	3.6	*	0.0	5.7	*
Stroke	6	16.7	21.8	*	16.7	28.1	*	16.7	33.1	*
Hip Fracture	2	0.0	6.4	*	50.0	12.8	*	50.0	17.4	*
Sepsis	2	0.0	26.6	*	0.0	34.0	*	0.0	40.0	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	0									
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	0									
Open Reduction of Hip Fracture	0									
Prostatectomy	1	0.0	0.2	*	0.0	0.5	*	0.0	0.9	*
Cholecystectomy	6	0.0	2.6	*	0.0	4.6	*	0.0	5.9	*
Hysterectomy	1	0.0	0.1	*	0.0	0.2	*	0.0	0.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

RUTLAND REGIONAL MEDICAL CENTER

160 Allen St
Rutland, VT 05701

Medicare Provider Number: 470005

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	1,899	9.0	9.4	0.8	13.5	14.3	1.0	16.8	18.2	1.3
CONDITIONS:										
Acute Myocardial Infarction	49	34.7	26.8	*	38.8	29.7	*	38.8	33.0	*
Congestive Heart Failure	120	11.7	14.1	4.9	18.3	21.8	6.8	24.2	28.3	8.0
Pneumonia/Influenza	110	13.6	15.7	3.9	20.9	21.2	4.0	25.5	25.6	4.7
Chronic Obstructive Pulmonary Disease	39	7.7	5.0	*	12.8	9.6	*	17.9	13.9	*
Transient Cerebral Ischemia	24	0.0	1.9	*	0.0	4.3	*	4.2	6.8	*
Stroke	75	16.0	21.1	7.8	22.7	27.9	8.4	30.7	32.5	6.4
Hip Fracture	50	10.0	8.3	*	16.0	14.6	*	20.0	18.6	*
Sepsis	27	11.1	19.7	*	18.5	25.1	*	18.5	30.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	29	0.0	3.8	*	3.4	6.6	*	6.9	9.2	*
Carotid Endarterectomy	7	0.0	1.3	*	0.0	2.4	*	0.0	3.4	*
Hip Replacement/Reconstruction	38	2.6	5.0	*	7.9	9.0	*	10.5	11.6	*
Open Reduction of Hip Fracture	8	0.0	7.7	*	12.5	14.0	*	12.5	18.0	*
Prostatectomy	76	0.0	2.3	2.6	0.0	4.1	3.7	1.3	6.2	4.1
Cholecystectomy	44	2.3	4.5	*	11.4	8.1	*	11.4	10.5	*
Hysterectomy	9	0.0	4.4	*	0.0	6.5	*	11.1	8.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	188
Occupancy Rate	68
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	89
Percent of Physicians Board Certified Specialists	78
Medical Residents/Interns	0
Registered Nurses	164
Licensed Practical Nurses	28

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

RUTLAND REGIONAL MEDICAL CENTER

Medicare Provider Number: 470005

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,036	8.0	9.4	0.9	13.6	14.3	1.0	16.5	18.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	64	32.8	30.8	6.5	39.1	34.0	8.7	43.8	37.5	7.4
Congestive Heart Failure	112	10.7	15.6	4.4	21.4	23.8	4.7	25.0	30.6	6.1
Pneumonia/Influenza	100	14.0	16.5	4.4	19.0	22.6	5.2	21.0	27.1	7.1
Chronic Obstructive Pulmonary Disease	20	5.0	6.3	*	15.0	12.8	*	15.0	18.9	*
Transient Cerebral Ischemia	31	0.0	1.8	*	3.2	3.9	*	3.2	6.2	*
Stroke	81	16.0	22.0	9.0	23.5	28.7	10.3	27.2	33.4	10.7
Hip Fracture	66	9.1	7.1	4.3	16.7	12.8	7.7	16.7	16.5	7.8
Sepsis	19	21.1	24.5	*	21.1	31.1	*	26.3	36.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	16	0.0	6.3	*	12.5	9.5	*	18.8	12.4	*
Carotid Endarterectomy	11	9.1	1.3	*	9.1	2.4	*	9.1	3.5	*
Hip Replacement/Reconstruction	43	4.7	3.9	*	11.6	7.3	*	11.6	9.6	*
Open Reduction of Hip Fracture	13	0.0	5.6	*	0.0	10.7	*	0.0	14.1	*
Prostatectomy	83	1.2	1.5	1.4	4.8	3.9	3.2	4.8	6.4	3.8
Cholecystectomy	33	3.0	3.0	*	6.1	5.8	*	6.1	8.0	*
Hysterectomy	17	0.0	2.5	*	0.0	5.0	*	0.0	6.8	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,141	8.9	8.6	0.7	13.3	13.2	0.8	17.1	17.0	1.1
CONDITIONS:										
Acute Myocardial Infarction	73	38.4	30.2	8.4	46.6	33.3	10.5	47.9	36.7	10.2
Congestive Heart Failure	112	16.1	14.8	4.9	22.3	22.8	4.2	29.5	29.6	4.3
Pneumonia/Influenza	99	10.1	14.5	4.4	19.2	20.0	4.1	23.2	24.7	4.6
Chronic Obstructive Pulmonary Disease	33	6.1	6.6	*	12.1	11.6	*	18.2	15.9	*
Transient Cerebral Ischemia	29	0.0	1.7	*	0.0	3.6	*	0.0	5.7	*
Stroke	82	13.4	20.2	5.8	25.6	26.9	6.6	31.7	31.6	5.1
Hip Fracture	59	6.8	6.3	3.2	8.5	11.4	4.4	11.9	14.8	5.2
Sepsis	28	17.9	19.4	*	17.9	26.1	*	21.4	31.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	25	4.0	4.5	*	4.0	8.4	*	8.0	11.8	*
Carotid Endarterectomy	7	0.0	1.3	*	0.0	2.5	*	0.0	3.5	*
Hip Replacement/Reconstruction	38	0.0	3.9	*	0.0	7.4	*	2.6	9.8	*
Open Reduction of Hip Fracture	10	20.0	5.2	*	20.0	10.0	*	20.0	13.2	*
Prostatectomy	94	2.1	1.1	1.4	4.3	2.8	2.0	6.4	4.8	2.7
Cholecystectomy	29	3.4	2.3	*	3.4	3.8	*	3.4	4.7	*
Hysterectomy	18	0.0	0.5	*	0.0	1.1	*	0.0	1.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

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**Rutland
Regional
Medical
Center**
160 Allen Street
Rutland, Vermont 05701-4595
(802) 775-7111

January 14, 1991

Health Care Financing Administration
Health Standards and Quality Bureau
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Md. 21207

Medicare Provider #470005

Dear Mrs. Kappert,

No significant discrepancies were found in the initial package of HCFA mortality data, which we received in early December.

The Q.A. program at Rutland Regional Medical Center includes ongoing review of all mortalities. These reviews are conducted through the MedisGroups program, individual case by case review, and by using the HCFA mortality reports.

Data from all sources is shared with clinical departments and is channelled to the credentials files of individual practitioners for consideration at the time of recredentialing.

We are pleased that the observed mortality rate for all causes continues to be below the predicted rate, and that the observed vs. expected rate in all other categories is well within 2 standard deviations.

The hospital characteristics as they appear in Enclosure C of the report are correct.

The RRMC administration and medical staff are committed to providing quality health care to our patients. We appreciate the opportunity to review and respond to this one measurement of care that HCFA has provided.

Sincerely,

James T. Bowse,
President

JTB/pd

VHA

SOUTHWESTERN VERMONT MEDICAL CENTER

100 Hospital Dr East
Bennington, VT 05201

Medicare Provider Number: 470012

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,261	7.7	9.3	1.2	13.4	14.5	1.2	16.7	18.4	1.4
CONDITIONS:										
Acute Myocardial Infarction	37	29.7	25.7	*	45.9	28.8	*	45.9	32.1	*
Congestive Heart Failure	57	12.3	15.1	5.3	19.3	23.7	7.5	24.6	30.5	10.2
Pneumonia/Influenza	104	9.6	17.0	5.3	17.3	23.3	6.0	19.2	27.9	7.0
Chronic Obstructive Pulmonary Disease	11	0.0	5.2	*	0.0	10.1	*	0.0	14.6	*
Transient Cerebral Ischemia	19	5.3	1.8	*	5.3	4.0	*	5.3	6.6	*
Stroke	49	12.2	17.7	*	18.4	25.3	*	22.4	29.8	*
Hip Fracture	41	7.3	8.0	*	19.5	14.6	*	22.0	18.9	*
Sepsis	11	27.3	22.6	*	27.3	29.1	*	27.3	34.2	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	2.3	*	0.0	4.6	*	0.0	6.7	*
Carotid Endarterectomy	3	0.0	1.1	*	0.0	2.1	*	0.0	3.1	*
Hip Replacement/Reconstruction	21	4.8	2.7	*	4.8	5.2	*	4.8	6.9	*
Open Reduction of Hip Fracture	24	8.3	7.2	*	12.5	13.5	*	16.7	17.5	*
Prostatectomy	20	0.0	1.1	*	0.0	2.9	*	5.0	5.0	*
Cholecystectomy	33	6.1	5.1	*	6.1	7.9	*	9.1	9.7	*
Hysterectomy	8	0.0	0.7	*	0.0	1.8	*	0.0	3.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	140
Occupancy Rate	73
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	72
Percent of Physicians Board Certified Specialists	99
Medical Residents/Interns	0
Registered Nurses	106
Licensed Practical Nurses	73

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	Yes
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SOUTHWESTERN VERMONT MEDICAL CENTER

Medicare Provider Number: 470012

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,358	8.0	9.6	1.4	13.4	14.4	1.3	17.1	18.1	1.7
CONDITIONS:										
Acute Myocardial Infarction	43	30.2	30.2	*	39.5	33.7	*	44.2	37.4	*
Congestive Heart Failure	53	13.2	16.0	5.6	22.6	24.7	7.8	26.4	31.7	11.0
Pneumonia/Influenza	87	18.4	18.1	4.4	24.1	24.4	4.6	26.4	29.2	6.3
Chronic Obstructive Pulmonary Disease	16	6.3	8.2	*	6.3	14.3	*	18.8	19.1	*
Transient Cerebral Ischemia	28	0.0	1.6	*	3.6	3.5	*	3.6	5.5	*
Stroke	68	20.6	20.0	5.0	29.4	27.4	5.9	32.4	32.2	5.9
Hip Fracture	39	0.0	7.1	*	2.6	12.8	*	5.1	16.2	*
Sepsis	10	20.0	27.2	*	50.0	34.4	*	50.0	39.7	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	4	0.0	2.8	*	0.0	4.9	*	25.0	7.0	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	25	0.0	3.1	*	0.0	5.5	*	0.0	7.0	*
Open Reduction of Hip Fracture	25	0.0	6.3	*	4.0	11.9	*	8.0	15.5	*
Prostatectomy	29	0.0	0.9	*	3.4	2.1	*	6.9	3.6	*
Cholecystectomy	23	4.3	4.7	*	4.3	8.8	*	4.3	11.4	*
Hysterectomy	9	0.0	0.4	*	0.0	0.8	*	0.0	1.0	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,364	7.5	8.7	1.3	13.1	13.4	1.4	16.3	17.2	1.7
CONDITIONS:										
Acute Myocardial Infarction	38	36.8	30.3	*	39.5	34.6	*	42.1	38.3	*
Congestive Heart Failure	64	17.2	14.9	5.2	23.4	22.6	5.3	29.7	29.2	5.8
Pneumonia/Influenza	74	17.6	18.7	6.1	28.4	25.0	5.9	28.4	29.9	6.4
Chronic Obstructive Pulmonary Disease	8	0.0	6.0	*	12.5	11.8	*	12.5	17.1	*
Transient Cerebral Ischemia	20	0.0	1.5	*	0.0	3.2	*	0.0	5.0	*
Stroke	67	13.4	19.4	8.8	17.9	25.9	10.4	23.9	30.2	8.9
Hip Fracture	45	4.4	8.1	*	13.3	14.5	*	20.0	18.7	*
Sepsis	8	25.0	31.1	*	37.5	38.2	*	50.0	44.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	6	0.0	2.7	*	0.0	5.6	*	0.0	8.4	*
Carotid Endarterectomy	3	0.0	1.4	*	0.0	2.8	*	0.0	3.9	*
Hip Replacement/Reconstruction	26	0.0	4.2	*	7.7	7.6	*	7.7	9.8	*
Open Reduction of Hip Fracture	27	3.7	7.3	*	11.1	13.8	*	18.5	18.0	*
Prostatectomy	45	0.0	1.3	*	2.2	3.3	*	4.4	5.7	*
Cholecystectomy	34	0.0	2.9	*	5.9	4.7	*	5.9	5.8	*
Hysterectomy	12	0.0	0.2	*	0.0	0.3	*	0.0	0.6	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

SPRINGFIELD HOSPITAL INC

25 Ridgewood Road
Springfield, VT 05156

Medicare Provider Number: 470018

The mortality rate tables present post-admission probabilities of death of patients treated at this hospital. Displayed are the observed mortality rate (OBS), the mortality rate predicted on the basis of the characteristics of the patients (PRED), and the standard deviation of the predicted rate (SD), a measure of the uncertainty of that rate.

FY 1989 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	572	8.6	8.6	1.2	11.7	12.8	1.5	15.2	16.2	1.6
CONDITIONS:										
Acute Myocardial Infarction	28	10.7	31.6	*	25.0	34.5	*	25.0	37.9	*
Congestive Heart Failure	25	12.0	14.4	*	12.0	22.4	*	16.0	29.1	*
Pneumonia/Influenza	33	12.1	16.1	*	18.2	22.0	*	21.2	26.5	*
Chronic Obstructive Pulmonary Disease	6	0.0	7.5	*	0.0	12.7	*	0.0	17.0	*
Transient Cerebral Ischemia	6	16.7	2.1	*	16.7	4.8	*	16.7	7.7	*
Stroke	16	18.8	19.0	*	25.0	23.9	*	25.0	28.0	*
Hip Fracture	24	8.3	8.2	*	16.7	14.8	*	16.7	19.2	*
Sepsis	3	66.7	29.0	*	66.7	34.9	*	66.7	40.5	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	5	0.0	6.8	*	0.0	10.5	*	20.0	13.4	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	8	0.0	5.9	*	0.0	11.4	*	0.0	15.3	*
Open Reduction of Hip Fracture	6	0.0	7.3	*	16.7	12.5	*	16.7	15.8	*
Prostatectomy	19	0.0	0.9	*	0.0	2.1	*	5.3	3.4	*
Cholecystectomy	10	0.0	1.5	*	0.0	2.5	*	0.0	3.2	*
Hysterectomy	3	0.0	0.6	*	0.0	1.0	*	0.0	1.3	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

HOSPITAL CHARACTERISTICS **

SOURCE: American Hospital Association Annual Survey of Hospitals - 1989

Total Beds	57
Occupancy Rate	44
Ownership/Control	Private, Non-Profit

STAFFING: (As of September 30, 1989)

Total Number of Physicians	37
Percent of Physicians Board Certified Specialists	68
Medical Residents/Interns	0
Registered Nurses	64
Licensed Practical Nurses	9

SPECIALTY SERVICES:

Burn Unit	No
Cardiac Intensive Care	No
Comprehensive Geriatric	No
Hospice Care	No
Medical/Surgical Intensive Care	Yes
Organ/Tissue Transplant	No
Other Intensive Care	No
Rehabilitation Unit	No
Trauma Center	No

**** Not used in calculating hospital mortality rates.**

SPRINGFIELD HOSPITAL INC

Medicare Provider Number: 470018

FY 1988 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	630	10.5	9.6	1.6	14.8	14.4	1.6	18.4	18.3	1.9
CONDITIONS:										
Acute Myocardial Infarction	36	27.8	28.2	*	30.6	31.3	*	33.3	34.8	*
Congestive Heart Failure	35	14.3	14.9	*	34.3	23.2	*	42.9	30.1	*
Pneumonia/Influenza	40	10.0	18.5	*	17.5	25.2	*	22.5	30.1	*
Chronic Obstructive Pulmonary Disease	11	18.2	7.5	*	18.2	13.7	*	18.2	18.9	*
Transient Cerebral Ischemia	5	0.0	2.0	*	0.0	4.5	*	0.0	7.2	*
Stroke	26	30.8	22.8	*	46.2	30.2	*	50.0	35.4	*
Hip Fracture	13	7.7	6.4	*	7.7	12.3	*	7.7	16.1	*
Sepsis	2	0.0	16.1	*	0.0	21.6	*	0.0	25.9	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	1	100.0	45.2	*	100.0	56.2	*	100.0	62.7	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	4	25.0	6.4	*	25.0	12.3	*	25.0	16.1	*
Open Reduction of Hip Fracture	4	0.0	6.0	*	0.0	12.1	*	0.0	16.3	*
Prostatectomy	21	0.0	1.1	*	4.8	2.8	*	9.5	4.4	*
Cholecystectomy	5	0.0	2.3	*	0.0	3.6	*	0.0	4.5	*
Hysterectomy	8	0.0	0.5	*	0.0	0.8	*	0.0	1.1	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

FY 1987 MEDICARE HOSPITAL MORTALITY RATES

CATEGORY	NUMBER OF CASES	MORTALITY RATES (%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	677	9.2	8.9	1.6	13.4	13.3	1.3	17.4	16.9	1.7
CONDITIONS:										
Acute Myocardial Infarction	32	18.8	29.9	*	21.9	33.2	*	25.0	36.5	*
Congestive Heart Failure	36	25.0	17.5	*	30.6	26.5	*	30.6	33.7	*
Pneumonia/Influenza	44	18.2	18.0	*	20.5	24.1	*	31.8	29.0	*
Chronic Obstructive Pulmonary Disease	8	0.0	7.2	*	12.5	12.6	*	12.5	17.0	*
Transient Cerebral Ischemia	8	0.0	1.7	*	0.0	3.8	*	12.5	6.0	*
Stroke	22	22.7	17.9	*	27.3	24.5	*	40.9	29.2	*
Hip Fracture	17	5.9	5.2	*	5.9	9.7	*	5.9	12.7	*
Sepsis	10	30.0	20.3	*	40.0	28.6	*	40.0	34.4	*
PROCEDURES:										
Angioplasty	0									
Coronary Artery Bypass Graft	0									
Initial Pacemaker Insertion	3	0.0	1.4	*	0.0	3.0	*	0.0	4.6	*
Carotid Endarterectomy	0									
Hip Replacement/Reconstruction	5	0.0	4.5	*	0.0	8.5	*	0.0	11.5	*
Open Reduction of Hip Fracture	7	14.3	4.8	*	14.3	9.4	*	14.3	12.6	*
Prostatectomy	25	0.0	0.9	*	0.0	2.0	*	0.0	3.4	*
Cholecystectomy	16	0.0	2.7	*	6.3	4.6	*	6.3	5.7	*
Hysterectomy	10	0.0	1.1	*	0.0	2.2	*	0.0	3.4	*

*** The number of cases or deaths in this category is too small to permit satisfactory estimation of the standard deviation.**

Technical Appendix

TECHNICAL APPENDIX

Data Sources

The data analyzed in this report are obtained from the MEDPAR file, which contains summary information on the hospitalizations of Medicare beneficiaries. The principal sources of data for this file are the bills (known as HCFA-1450 or UB-82) submitted by the hospitals to HCFA through fiscal intermediaries. The MEDPAR file also contains data about the beneficiaries, such as age, sex and date of death, which are obtained from the Social Security Administration or the Railroad Retirement Board.

Hospitalizations with discharges in fiscal years 1987, 1988 and 1989 were used in these analyses. Hospitalizations in 1986 were used only to characterize the prior admissions of the patients in the 1987 cohort. Only acute-care hospitalizations in short-term (general and specialty) hospitals were selected. These hospitals have a “0” in the third position of their Medicare provider number. Hospitalizations in special cost centers, designated by a “9” in the fourth position of the provider number, and hospitalizations in psychiatric units, rehabilitation units, swing-beds and alcohol/drug units, with "special unit codes" of S, T, U and V, respectively, in the third position were excluded.

The Mortality Model

For each beneficiary in each year one hospitalization was selected at random. Choosing a specific hospitalization is necessary to avoid multiple counting of the same death for that year. Selecting a random hospitalization instead of the first or last in the year produces mortality rates that are more representative of the rates that a hospital might calculate for its patients. Also, the mortality rates based on this random selection process reflect an intermediate position between the rates produced by the alternatives.

The selected hospitalizations were then segregated by analytical category and analyzed separately. The analytic categories were created by grouping ICD-9-CM diagnosis codes that had similar raw mortality rates and clinical definitions. The groupings fall into five risk levels: low, average, moderately severe, very severe and catastrophic. Within these risk levels, codes are further grouped based on clinical similarities. The analytic categories and the groups of ICD-9-CM diagnosis codes that defined them are listed in Table A-1.

The mortality experience of the patients was evaluated as a function of time within 182 days of the admission. The factors included in the mortality model used to evaluate the patients' probability of death are given in Table A-2. They consist of demographic characteristics (age and sex), major comorbidities (chronic diseases likely to have been present at admission and believed to complicate management and increase the likelihood of an adverse outcome), prior admissions (grouped into five risk or severity levels) within the six months preceding the admission evaluated, admission type (emergent, elective, etc.), and admission source (referral from the physician's office, the nursing facility, etc.). The specific reason for the admission (the principal diagnosis) and the performance of selected surgical procedures were additional factors used in the estimation of the predicted probability of death (see below).

The observed mortality rate for a hospital was calculated by means of the lifetable method ("The LIFETEST Procedure", Chapter 22, SAS User's Guide: Statistics, Version 5 Edition, pages 529-557).

Analytic Techniques

A time-to-event or survival model with explanatory or concomitant variables was used to ascertain the influence of the patient characteristics listed above on the probability of death. A feature of such a model is allowance for “right censored” observations. Generally, these are events or outcomes which would have occurred but for some interference that prevents further observation. In the present analysis, “right censoring” occurs when a patient is withdrawn alive from the study at the end of the followup period of 182 days.

The survival function, S(t), is one of several equivalent ways of expressing the model. Another form uses the cumulative distribution function or the mortality function,

$$F(t) = 1 - S(t).$$

Another useful formulation of these models is the hazard function, also known as the force of mortality or risk function. The hazard is the rate of decrease in the number of survivors relative to the number of survivors at a specific time. Mathematically, the hazard function is:

$$h(t) = -\frac{1}{S(t)}\frac{dS(t)}{dt} = -\frac{d\ln(S(t))}{dt}$$

The probability density function commonly used in statistical texts can be expressed as follows:

$$f(t) = \frac{dF(t)}{dt} = h(t)S(t).$$

The area under the survival curve is the expected value for t. In some cases the area under the survival curve is restricted to an interval $0\text{-}t_1$ where t_1 might be one year, for example.

The specific time-to-event or survival model used in the present analysis is Bailey's modification of the Makeham model. The survival function for the Bailey-Makeham model is:

$$S(t) = \exp\left\{-\delta t - \left(\frac{\alpha}{\gamma}\right)(1 - \exp(-\gamma t))\right\}$$

where

$$\alpha = \exp(\alpha_0+\alpha_1 x_1+\ldots+\alpha_i x_i+\ldots+\alpha_k x_k)$$
$$\gamma = \exp(\gamma_0+\gamma_1 g_1+\ldots+\gamma_i x_i+\ldots+\gamma_k x_k)$$
$$\delta = \exp(\delta_0+\delta_1 x_1+\ldots+\delta_i x_i+\ldots+\delta_k x_k)$$

are the expressions for each of the structural parameters α, γ, and δ in terms of the k concomitant variables x_i and their associated component parameters α_i, γ_i, and δ_i for i=1,2,..., k and three intercepts or component parameters α_0, γ_0, and δ_0. The structural parameter δ is the long-term risk which is approached as $t \to \infty$. The structural parameter is the initial excess risk which decays with rate constant γ.

For the survival function given above, the risk or hazard function has an especially tractable form of an exponential decay which approaches a long-term risk, δ. The hazard function corresponding to the survival function above is

$$h(t) = \alpha \exp(-\gamma t) + \delta .$$

The estimation of the component parameters was carried out in a series of steps in which those covariates which had estimable and statistically significant ($p<0.05$) influences of the probability of death were identified for inclusion in the model. As the model for each of the 17 risk categories was estimated separately, different lists of covariates were used for the final core models.

This first step was followed by the estimation of the additional contribution of specific principal diagnoses in each risk category. In these analyses, the effects of the patient characteristics included in the core models were corrected for. Only those principal diagnoses were retained which were estimable and had more than 1,000 cases or a statistically significant effect at the $p<0.01$ level when the number of cases was less than 1,000. Similarly, after adjustment for the effects of both the variables in the core model and the principal diagnoses, correction terms were calculated to estimate the additional information about the probability of death associated with the categorization of the patients into the clinical groups used for the presentation of the data in the mortality tables (see below). These correction terms were negligible for the medical categories but substantial for the surgical categories.

Once the component parameters or regression coefficients α_i, γ_i, and δ_i have been estimated, the predicted probability of patient death at any specified time after admission, 1-S(t), may be calculated for all individuals. To obtain the predicted mortality rate up to a given time for a hospital, it is then only necessary to average over the predicted probabilities of death of its patients to that time.

The analytic categories are useful for grouping the patients into relatively risk homogeneous strata for the regressions. However, to gain insights into patterns of practice at hospitals, the data are presented for patients grouped into clinically meaningful medical and surgical categories. The 17 clinical categories used in the mortality tables were identified by the Institute of Medicine as being of particular medical and epidemiologic interest.

Estimation of the Standard Deviation for Predicted Mortality

The standard deviation of the predicted mortality rate is used to assess how meaningfully different the observed mortality rate is from the rate predicted by the national experience with like patients. The standard deviation depends, in fact, on the variance of the residual or the difference between the observed, P, and predicted, $\hat{\Theta}$, mortality rates.

The residual has four components V_1, V_2, V_3, and V_4 where V_1 is the variance of the estimate of the predicted probability of death. This computationally intensive term was negligible for nearly all cases, compared to other components of variance. Consequently, this term was not included the present analysis.

V_2 is the binomial variance for n patients.

$$V_2 = \frac{\hat{\Theta}\left(1 - \hat{\Theta}\right)}{n} .$$

V_3 is the variation among hospitals not explained by the mortality regression models containing the patient characteristics described above.

$$V_3 = \widehat{\mathrm{Var}\left(\Theta\right)} = \left(1 - \frac{1}{n}\right) \widehat{\mathrm{M}_2\left(\Theta\right)}$$

where

$$\widehat{\mathrm{M}_2(\Theta)} = \left\{ \begin{pmatrix} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics and} \\ \text{adjustment for hospital effects} \end{pmatrix} - \begin{pmatrix} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics,} \\ \text{but omitting the hospital specific effects} \end{pmatrix} \right\}^2 \left(\frac{1}{z_p^2} \right)$$

The quantity z_p corresponds to the statistical significance (p-value) of the hospital specific effect.

V_4 is the variation not explained by the mortality regression models which each include, in addition, an indicator variable for the hospital:

$$V_4 = \left\{ \left(\text{Observed mortality}\right) - \left(\begin{array}{c} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics, and} \\ \text{adjustment for the hospital specific effects} \end{array} \right) \right\}^2$$

(The regression coefficients of the indicator variable for the hospital are a measure of the influence on the probability of patient death of factors not otherwise specified in the model. These factors include severity of illness not adequately reported on by the patient characteristics deduced from the claims data and the hospital's pattern of practice; i.e., performance.)

The standard deviation given in the mortality tables is just:

$$SD = \sqrt{V_2 + V_3 + V_4}.$$

Measures of Uncertainty

In principle, to use the standard normal approximations to determine prediction intervals, an adjustment must be applied for the skewness and kurtosis inherent in a mortality rate when the rate is considerably less than 50 percent and the number of cases is small. Table A-3 presents the multiplicative factors, based on the binomial distribution, for the standard deviation needed to construct prediction intervals for the mortality rates at confidence levels ranging from 75 percent to 99 percent. Because of the approximations involved in the estimation of the skewness and kurtosis corrections, their precision decreases as the number of cases and the mortality rate decrease; i.e., as the value of the correction increases. In addition, because of simplifications and approximations in the estimation of the standard deviation, the precision of the multiplicative factors given in Table A-3 exceeds the precision of the estimate of the standard deviation. Hence, the rule-of-thumb given at the front of this Appendix represents an adequate approximation to the factors in Table A-3 and an adequate guide to the meaningfulness of the difference between the observed and the predicted mortality rates.

To illustrate the use of Table A-3, consider a hospital with 75 cases and a predicted mortality of 13.0 percent with a standard deviation of 5.0 percent. Overall, for hospitals with patients with characteristics similar to those of this hospital, we would expect the actual or observed mortality rate to lie, 95 percent of the time, either between 13.0 percent and 22.9 percent, if the actual is larger than the predicted, or between 3.3 percent and 13.0 percent, if the actual is less than the predicted. That is because 22.9 percent = 13.0 percent + 1.98 x 5.0 percent, the factor 1.98 having been read from the section of Table A-3 with the heading "95% Prediction Interval" and "Factor for Upper Bound", the row "75" for the number of cases, and by interpolation between the "10%" and the "20%" predicted mortality rate columns. Similarly, 3.3 percent = 13.0 percent - 1.94 x 5.0 percent, the factor -1.94 having been read from the section of Table A-3 with the heading "95% Prediction Interval" and "Factor for Lower Bound" and the corresponding row and columns.

On the other hand, 75 percent of the time, the observed mortality rate will lie either between 13 percent and 18.8 percent (13.0 percent + 1.15 x 5.0 percent) if the observed rate is higher than the predicted, or between 7.3 percent (13.0 percent - 1.15 x 5.0 percent) and 13.0 percent if it is lower.

Therefore, in comparing the actual and predicted rates, more attention should be given to the hospital whose observed mortality rate lies beyond the bounds calculated for the 99 percent prediction interval than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 95 percent prediction interval. In turn, more attention should be given to that hospital than to the hospital whose observed mortality rate lies only beyond the bounds calculated for the 75 percent prediction interval.

Table A-1

ANALYTICAL DIAGNOSTIC CATEGORIES

CATEGORY	ICD-9-CM CODES
1. Low risk cardiopulmonary and circulatory disorders	390, 393, 401, 402.00, 402.10, 402.90, 405, 411 (except 411.0), 413-414, 417-420, 422, 425.1, 426.1-426.7, 426.81, 427.0, 427.2-427.3, 427.6, 427.8-427.9, 429.4, 433 (except 433.0), 435, 437.2, 442 (except 442.2), 447 (except 447.2), 448, 451, 453.1, 453.8-453.9, 454-455, 456.3-456.6, 457.0-457.1, 457.9, 458.0, 460-478, 487 (except 487.0), 490-491, 493-495, 511.0, 518.2, 519.0-519.1
2. Low risk injuries and poisonings	800.0, 800.5, 801.0, 801.5, 802, 805 (except 805.0), 806 (except 806.0), 807 (except 807.0 and 807.4), 807.00-807.06, 808-819, 822-838, 839 (except 839.0), 840-848, 850, 854.0 (except 854.05), 861.2, 862, 867 (except 867.0 and 867.2), 870-874, 875.0, 876-887, 890-897, 905-932, 933.0, 935-940, 942 (except 942.3), 943-945, 947, 949-957, 958 (except 958.4), 959-963, 965.1, 965.5-965.7, 965.9, 966, 969-971, 972 (except 972.1), 973, 974 (except 974.1), 975 (except 975.7), 977-981, 984-986, 988, 992-993, 994 (except 994.1 and 994.7), 995, 996.0 (except 996.02), 996.2, 996.4-996.5, 996.7-996.9, 997.9, 998 (except 998.2)
3. Low risk gastrointestinal and endocrine disorders	240-246, 250.0, 250.5-250.6, 250.8, 250.9, 252, 254, 255 (except 255.4), 256-258, 264-272, 274, 276.3, 276.8, 279 (except 279.1), 520-527, 528.2, 528.4, 528.6-528.9, 529, 530 (except 530.4 and 530.8), 531.3, 531.7-531.9, 532.3, 532.7-532.9, 533.3, 533.7-533.9, 534.3, 534.7-534.9, 535-536, 537.1-537.2, 537.5-537.6, 537.8-537.9 (except 537.89), 540-543, 550, 552-556, 558 (except 558.2), 562-566, 568, 569.0-569.2, 569.4-569.6, 569.9, 571.8-571.9, 574 (only when 5th digit = 0), 575 (except 575.4 and 575.8), 576.0, 576.9, 577.1, 577.9, 579

Table A-1: Analytic Diagnostic Categories

4.	Low risk genitourinary and reproductive disorders	582-583, 588-589, 590.1, 590.8-590.9, 592, 594-595, 596 (except 596.1 and 596.6), 597-598, 599 (except 599.0 and 599.6), 600-606, 607 (except 607.2), 608 (except 608.4), 610-618, 619 (except 619.1), 620-629, 630-648, 650-676
5.	Low risk neuropsychiatric, sensory and musculoskeletal disorders	290-292, 293 (except 293.0), 294-309, 311-319, 330, 331 (except 331.0), 332-334, 337, 340, 342-343, 344 (except 344.0 and 344.1), 345 (except 345.3), 346-347, 348.0, 350-358, 360-389, 680-686, 690-698, 700-706, 707 (except 707.0), 708-709, 710 (except 710.1), 711-713, 714 (except 714.81), 715-739
6.	Other low risk disorders	E-CODE, M-CODE, V01-V09, V11-V65 (except V58.0 and V58.8), V67-V82, 001-005, 007-009, 014-017, 020-026, 027 (except 027.0), 030, 032-033, 035, 037, 039, 041.0-041.2, 045, 049.8-049.9, 050-053, 055-057, 071-088, 090-111, 120-135, 137-139, 140, 143, 173-175, 180.0-180.1, 182, 188 (except 188.8 and 188.9), 190, 192 (except 192.2), 210-211, 212 (except 212.7), 213-224, 226-230, 231 (except 231.2), 232-236, 239.4-239.5, 239.9, 280 (except 280.0), 282, 740-744, 746-759, 780 (except 780.0), 781, 782.0-782.2, 782.6, 782.8-782.9, 783.1, 783.5-783.9, 784 (except 784.3 and 784.5), 785 (except 785.4 and 785.5), 786.2, 786.4-786.5, 786.7-786.9, 787 (except 787.2), 788.0-788.1, 788.3-788.4, 788.6-788.7, 789 (except 789.5), 790 (except 790.6 and 790.7), 793-796
7.	Average risk disorders	V10, V58.0, V58.8, 006, 010 -013, 031, 034, 041.3-041.9, 070.1, 070.3, 070.5, 070.9, 114-115, 136 (except 136.3), 142, 144-146, 152-154, 160-161, 162.0, 165, 170, 171.0, 171.2-171.4, 171.6-171.7, 172 (except 172.8), 180.8, 181, 184-187, 188.8-188.9, 189 (except 189.0), 193-194, 196.0, 196.3, 196.5-196.6, 196.9, 197.3, 198.2, 225,

Table A-1: Analytic Diagnostic Categories

7. Average risk disorders (continued)	238, 239.0-239.3, 239.7-239.8, 250.1, 250.4, 250.7, 251, 253, 255.4, 259, 275 (except 275.4), 276.1, 276.6-276.7, 276.9, 277 (except 277.3), 278, 280.0, 281, 283, 285, 286 (except 286.6), 287-289, 293.0, 310, 322-326, 331.0, 336, 344.0-344.1, 345.3, 349, 359, 391-392, 394-396, 398 (except 398.91), 402.01, 402.11, 402.91, 403-404, 410.7, 411.0, 412, 423.8-423.9, 424, 425.5, 425.7-425.9, 426.0, 426.9, 427.1, 429.0-429.3, 437 (except 437.2), 438, 440, 441.4, 441.9, 443, 444 (except 444.1), 446, 456.1, 456.21, 456.8, 457.2, 457.8, 459 (except 459.0 and 459.2), 480, 482.2, 483-484, 487.0, 492, 496, 506, 508 (except 508.0), 518.3, 518.8, 519.4, 519.8-519.9, 528.0-528.1, 528.3, 528.5, 531.0, 531.4, 532.0, 532.4, 533.0, 533.4, 534.0, 534.4, 537.0, 537.3-537.4, 537.89, 557 (except 557.0), 560.1, 560.3, 560.80-560.81, 560.9, 569.3, 569.8 (except 569.83), 571.0-571.1, 571.3-571.4, 572.0-572.1, 573, 574 (only when 5th digit = 1), 575.4, 575.8, 576.1-576.5, 577.0, 577.2, 577.8, 578 (except 578.0), 580-581, 587, 590.0, 590.2- 590.3, 591, 593, 596.1, 596.6, 599.0, 599.6, 607.2, 608.4, 619.1, 714.81, 745, 782.3, 783.0, 783.2, 784.3, 784.5, 786.0-786.1, 786.3, 786.6, 787.2, 788.2, 788.5, 788.8-788.9, 790.6-790.7, 791-792, 798, 799.8-799.9, 803.0, 803.5, 805.0, 807.07-807.09, 820-821, 839.0, 860, 863, 865-866, 867.0, 867.2, 900, 903-904, 934.0-934.1, 941, 942.3, 946.0-946.2, 948.0-948.3, 964, 965.0, 965.4, 965.8, 967-968, 972.1, 974.1, 975.7, 976, 982-983, 987, 989, 996.1, 996.3, 996.6, 997 (except 997.9), 998.2, 999
8. Moderately severe cardiopulmonary and circulatory disorders	398.91, 415-416, 425.0, 425.2-425.4, 426.89, 428, 429.5-429.9, 432.1, 434, 436, 441.2, 442.2, 452, 453.0, 453.2-453.3, 458 (except 458.0), 459.0, 459.2, 481, 482.3, 482.9, 485-486, 500-505, 510.9, 511 (except 511.0), 512.8, 513-515, 517, 518.0-518.1, 518.4, 519.2-519.3
9. Moderately severe gastrointestinal and endocrine disorders	273, 276.5, 277.3, 530.4, 530.8, 551, 558.2, 560.0, 560.2, 560.89, 567, 572.3, 578.0

Table A-1: Analytic Diagnostic Categories

10. Moderately severe neoplastic diseases	141, 147-149, 158, 162.3-162.5, 179, 180.9, 183, 189.0, 191, 192.2, 198.1, 198.6-198.7, 198.82, 200-202, 207 (except 207.0), 212.7, 237, 239.6
11. Other moderately severe disorders	V66, 038.42, 040, 047-048, 049.0-049.1, 054, 060-066, 284, 335, 341, 348.3-348.4, 348.8-348.9, 585, 707.0, 710.1, 782.4-782.5, 782.7, 783.4, 785.4, 789.5, 797, 799.0, 799.2-799.4, 804, 806.0, 807.4, 851.0, 851.2, 851.4, 851.6, 851.8, 852.0, (except 852.05), 852.1 (except 852.15), 852.2 (except 852.25), 852.4-852.5, 853.0 (except 853.05), 853.1 (except 853.15), 861 (except 861.2), 864.0 (except 864.04), 864.1 (except 864.14), 933.1, 990, 996.02
12. Very severe cardiopulmonary and circulatory disorders	397, 410 (except 410.7), 421, 423.0-423.2, 433.0, 447.2, 456.0, 456.20, 482.0-482.1, 482.4, 482.8, 507, 508.0, 510.0, 512.0, 516, 518.5
13. Very severe gastrointestinal and endocrine disorders	250.2-250.3, 260-263, 275.4, 276.0, 276.2, 276.4, 279.1, 531.1-531.2, 531.5-531.6, 532.1-532.2, 532.5-532.6, 533.1-533.2, 533.5-533.6, 534.1-534.2, 534.5-534.6, 569.83, 571.2, 571.5-571.6, 572.2, 576.8
14. Very severe infectious disorders	018, 027.0, 036, 038 (except 038.42), 042-044, 046, 112, 116-118, 136.3
15. Very severe neoplastic diseases	150-151, 156-157, 159, 162.2, 162.8-162.9, 163-164, 171.5, 171.8-171.9, 195, 196.1-196.2, 196.8, 197.0-197.2, 197.4-197.6, 197.8, 198.0, 198.3-198.5, 198.81, 198.89, 203, 204 (except 204.0), 205 (except 205.0), 207.0, 208 (except 208.0), 231.2
16. Other very severe disorders	320-321, 348.2, 348.5, 584, 586, 760-779, 780.0, 783.3, 799.1, 800 (except 800.0 and 800.5), 801 (except 801.0 and 801.5), 854.05, 854.1, 868-869, 875.1, 934.8-934.9, 946.3-946.5, 958.4, 991, 994.1, 994.7

Table A-1: Analytic Diagnostic Categories

17. Catastrophic disorders	070.0, 070.2, 070.4, 070.6, 155, 172.8, 197.7, 199, 204.0, 205.0, 206, 208.0, 286.6, 348.1, 427.4-427.5, 430-431, 432 (except viral 432.1), 441.0-441.1, 441.3, 441.5, 444.1, 557.0, 570, 572.4, 572.8, 785.5, 803 (except 803.0 and 803.5), 851.1, 851.3, 851.5, 851.7, 851.9, 852.05, 852.15, 852.25, 852.3, 853.05, 853.15, 864.04, 864.14, 901-902, 948.4-948.9

Table A-2

EXPLANATORY VARIABLES FOR THE MORTALITY MODEL

Generally the same variables are used for all diagnostic categories.

DEMOGRAPHICS

$$\text{AGESP} = \text{sign}\,(\text{W-65})\left(\frac{|\text{W-65}|}{65}\right)^{1.72}$$

where

$$\text{W} = \left\{ \begin{array}{c} 23 \text{ if AGE} \leq 23 \\ \text{AGE if } 23 < \text{AGE} < 100 \\ 100 \text{ if } 100 \leq \text{AGE} \end{array} \right\}$$

SX An indicator variable: = 1 if Female and 0 otherwise.

COMORBIDITIES (Indicator variables = 1 if comorbidity present and 0 otherwise)

		ICD-9-CM Codes
CCA	Cancer	141-160.9, 162-172.9, 174-208.9)
CCV	Chronic cardiovascular disease	412-414.9, 426-429.1)
CLV	Chronic liver disease	571-572.8)
CRN	Chronic renal disease	582-583.9, 585-587)

ADMISSION SOURCES AND TYPES (Indicator variables = 1 if source or type present and 0 otherwise)

PHRF	Patient referred by personal or HMO physician.
TRSNF	Patient transferred from skilled nursing facility.
ELCT	Patient admitted for elective procedure.
EMRG	Patient admitted for emergency.

PREVIOUS HOSPITALIZATIONS

PALR	Number at low risk, with 5 or more set to 5.
PAAR	Number at average risk, with 3 or more set to 3.
PAMSR	Number at moderately severe risk, with 3 or more set to 3.
PAVSR	Number at very severe risk, with 2 or more set to 2.
PACR	Number at catastrophic risk, with 1or more set to 1.

TABLE A-3: MULTIPLICATIVE FACTORS FOR THE CALCULATION OF THE BOUNDS FOR PREDICTION INTERVALS

(n is the number of cases at your hospital and p is the predicted mortality rate.)

	99% Prediction Interval					95% Prediction Interval					75% Prediction Interval				
	Factor for Upper Bound					Factor for Upper Bound					Factor for Upper Bound				
p	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%
n															
25	2.95	2.73	2.68	2.63	2.59	2.15	2.04	2.01	1.99	1.97	1.17	1.16	1.16	1.15	1.15
50	2.76	2.65	2.63	2.60	2.58	2.05	2.00	1.99	1.97	1.96	1.16	1.15	1.15	1.15	1.15
75	2.70	2.63	2.61	2.59	2.58	2.02	1.99	1.98	1.97	1.96	1.16	1.15	1.15	1.15	1.15
100	2.67	2.61	2.60	2.59	2.58	2.01	1.98	1.97	1.97	1.96	1.16	1.15	1.15	1.15	1.15
150	2.64	2.60	2.59	2.59	2.58	1.99	1.97	1.97	1.96	1.96	1.15	1.15	1.15	1.15	1.15
200	2.62	2.60	2.59	2.58	2.58	1.98	1.97	1.97	1.96	1.96	1.15	1.15	1.15	1.15	1.15
300	2.61	2.59	2.58	2.58	2.58	1.98	1.97	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
400	2.60	2.59	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
500	2.59	2.58	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
750	2.59	2.58	2.58	2.58	2.58	1.97	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
1000	2.59	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
2000	2.58	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15
5000	2.58	2.58	2.58	2.58	2.58	1.96	1.96	1.96	1.96	1.96	1.15	1.15	1.15	1.15	1.15

	Factor for Lower Bound					Factor for Lower Bound					Factor for Lower Bound				
p	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%	1%	5%	10%	20%	40%
n															
25	-2.21	-2.42	-2.48	-2.52	-2.56	-1.77	-1.88	-1.91	-1.93	-1.95	-1.13	-1.14	-1.14	-1.15	-1.15
50	-2.39	-2.50	-2.53	-2.55	-2.57	-1.87	-1.92	-1.93	-1.95	-1.96	-1.14	-1.15	-1.15	-1.15	-1.15
75	-2.45	-2.52	-2.54	-2.56	-2.57	-1.90	-1.93	-1.94	-1.95	-1.96	-1.14	-1.15	-1.15	-1.15	-1.15
100	-2.48	-2.54	-2.55	-2.56	-2.57	-1.91	-1.94	-1.95	-1.95	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
150	-2.51	-2.55	-2.56	-2.57	-2.57	-1.93	-1.95	-1.95	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
200	-2.53	-2.56	-2.56	-2.57	-2.57	-1.94	-1.95	-1.95	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
300	-2.54	-2.56	-2.57	-2.57	-2.57	-1.94	-1.95	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
400	-2.55	-2.57	-2.57	-2.57	-2.57	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
500	-2.56	-2.57	-2.57	-2.57	-2.58	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
750	-2.56	-2.57	-2.57	-2.57	-2.58	-1.95	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
1000	-2.57	-2.57	-2.57	-2.57	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
2000	-2.57	-2.57	-2.57	-2.58	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15
5000	-2.57	-2.58	-2.58	-2.58	-2.58	-1.96	-1.96	-1.96	-1.96	-1.96	-1.15	-1.15	-1.15	-1.15	-1.15

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